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À CATALOGUE
OF
THOSE STARS
IN THE
HISTOIRE CÉLESTE FRANÇAISE
OF JÉRÔME DELALANDE,

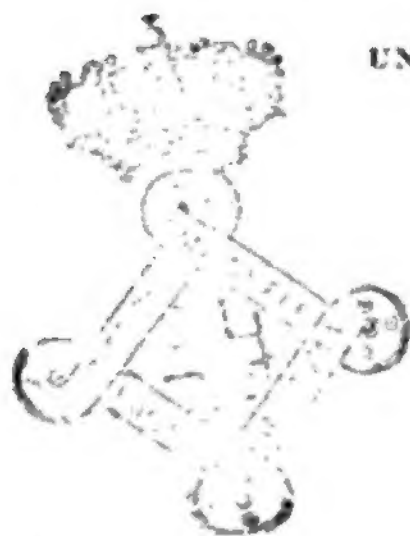
**FOR WHICH TABLES OF REDUCTION TO THE EPOCH 1800 HAVE
BEEN PUBLISHED BY PROFESSOR SCHUMACHER.**

**REDUCED AT THE EXPENSE OF
THE BRITISH ASSOCIATION FOR THE ADVANCEMENT
OF SCIENCE,**

UNDER THE IMMEDIATE SUPERINTENDENCE OF THE LATE

FRANCIS BAILY, Esq.

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SAN JOSE

PREFACE.

THE *Histoire Céleste Française*, published in 1801 by the celebrated Jérôme Delalande*, is so well known to astronomers, that a very brief notice will suffice for the present volume.

The original observatory of the *Ecole Militaire* was built in 1768 for Jeaurat; in 1778 it was furnished with a mural quadrant† by Bird; and here M. Lepaute d'Agelet made his observations until 1785, when he embarked in the ill-fated expedition of La Pérouse. The observations of d'Agelet have been partly published in the *Mémoires de l'Académie*, and partly in the *Histoire Céleste*, but need no further mention, as they are not included in the present reduction.

This observatory was necessarily destroyed in 1786, when the south wing of the *École Militaire* was lengthened. A second observatory was erected on the recommendation of Lalande, .17 toises to the north and 15 toises to the west of the former site. The

* The name is thus given in the *Histoire Céleste*; in the *Mémoires de l'Académie* the words are divided, and in the Catalogue of 1000 Circumpolar Stars in the *Connaissance* the *De* is omitted.

† Lalande says, *Histoire Céleste*, p. viii., "Le mural qui a servi à nos cinquante mille étoiles est décrit, par le Cit^{on} Lemonnier sous le titre de *Description des Principaux Instrumens de l'Astronomie*." Lemonnier's memoir forms a part of the series entitled *Descriptions des Arts et Métiers faites ou approuvées par MM. de l'Académie Royale des Sciences*, Paris, 1761-89, folio, and will be found at the date 1774. This memoir, which is long and illustrated by a great number of plates, implies that the quadrant described was by Bird, and an exact copy every way of the eight-feet brass quadrant, so celebrated as the instrument of Bradley and Maskelyne. At p. ix., Lalande, after mentioning an improved mode of supporting the telescope, says, "J'ai ouï dire autrefois que l'axe de ce quart de cercle avait été rompu chez Lemonnier; mais il a été parfaitement retabli." Hence one would suppose that the quadrant of the *Ecole Militaire* was identical with Lemonnier's. This is however distinctly contradicted by Lalande elsewhere,* for in speaking of the quadrant of the *École Militaire*, he says, "M. Bergeret, receveur-general, le fit faire à ma sollicitation par Bird, dès 1775, et en 1778 le confia à M. d'Agelet" (*Mém. de l'Académie*, 1789), while Lemonnier's quadrant was made for him in 1753 at the expense of Louis XV. It would seem that Lemonnier's quadrant was ultimately transferred to the Royal Observatory. The important information is, that the quadrant was the workmanship of Bird. The telescope had the same aperture as the transit, or 32 lines.



position of the new observatory, according to Lalande, is $52''$ to the north and $7^{\circ}7'$ to the west of the Royal Observatory.

The instruments with which it was supplied were; the quadrant belonging to the first observatory, with the addition of an apparatus for shifting it from north to south; a clock by Lepaute, for the excellence of which Lalande vouches after many years' experience; and a transit instrument by Lenoir, with an axis of 34 inches, the telescope having 4 feet focal length and 32 lines aperture. This transit had five vertical wires, was illuminated in the modern manner through the axis, and is said to have been perfectly satisfactory as to its workmanship and the stability of its mounting. On the 5th of August 1789, Michel Lefrançois Delalande, nephew of Jérôme, entered upon a systematic survey of the heavens, which was intended to comprise all stars to the 9th magnitude inclusive, between the North Pole and the Tropic of Capricorn. In 1797, the assistance of Burkhardt was procured, but whether as observer or computer is not stated. There is no signature in the printed volume to distinguish the observer. It is said by Delambre, *Histoire de l'Astronomie au Dix-huitième siècle*, p. 565, that Lalande took no part in the observations, and that of the 50,000 stars observed, not one was determined by him. It is not clear what share he took in the reductions or preparation for the press.

There were about 8000 observations made when the quadrant was turned to the north. About 5000 of these observations are printed in the *Mémoires de l'Académie* for 1789 and 1790. The form of publication in the *Mémoires* is nearly the same as in the *Histoire Céleste*; but there is no clock error appended, or state of the barometer and thermometer. The combined effect of clock error and of error of plane is however to be found at pp. 578 *et seq.* of the *Histoire Céleste*, and the readings of the barometer and thermometer form p. 676 of the *Mémoires de l'Académie* for 1790. A Catalogue of 1000 chosen circumpolar stars, deduced from these observations, and those made with the transit instrument, is inserted in the *Connaissance des Temps*, l'Année v. (1795). From time to time Lalande inserted partial catalogues in the volumes of the *Connaissance*, according to his account, of about 12,000 stars altogether.

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The *Histoire Céleste*, besides the observations, contains constants and the data for the conversion of the observations into apparent R.A.'s. and Declinations of the stars. Thus there is a table for reducing the side wires to the central wire at p. 576, and a table of the deviation of the plane of the quadrant from the meridian at p. xi. In each zone the clock corrections are given for the upper and lower limits of the zone, but without attention to *rate*, and mixed up with the deviation of the quadrant. The correction for index error or collimation in altitude is also given, and the readings of the barometer and thermometer.

The transit observations, from which the R.A.s in the Catalogue of 1000 circumpolar stars were deduced, are unpublished, so far at least as can be made out from Lalande's notices. A few stars casually selected from this Catalogue and compared with Piazzi show a general agreement, but not a very close one. In the introduction to the observations contained in the *Mémoires* for 1790, zero stars in R.A. for each zone are given, which do not however agree with the circumpolar Catalogue of the *Connaissance*. It would seem that the Catalogue is the earlier in date and the less accordant with Piazzi; but this opinion depends on a slight enquiry only.

The errors of the plane of the quadrant at several points of the limb were found, by comparing the observed transits of stars at different altitudes, by the quadrant, with the true times of meridian passage, got by the transit. The observations of fundamental stars*, when corrected for this instrumental deviation, probably furnished the clock errors stated in the volume, after being combined with the instrumental deviation for those points. The clock rate was purposely kept low and seems to have been neglected.

A fundamental catalogue in Declination of stars near the zenith was formed from observations in reversed positions of the quadrant, which catalogue was used (*Hist. Cél.* p. ix.) to determine the index error in zenith distance. At p. x. Lalande says, "the error in zenith distance set down in the *Histoire Céleste* has been deduced from stars already known, and that the error will be still better ascertained by computing more stars." The clock corrections and errors

* Lalande does not state very clearly whence the fundamental Catalogue in Right Ascension was taken; possibly from Maskelyne's 36 stars, either directly or through a secondary catalogue. See the introductions to the observations in the *Mém. de l'Acad.*

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in zenith distance are distinctly said to be only provisional,—to be verified and improved by means of the places of the principal stars now or hereafter to be published.

With these imperfect aids for reduction, the *Histoire Céleste* was found of great use in filling up the charts of Bode and Harding, and of greater use still in giving approximate places of comets or planets, which had been compared with small adjacent stars. After the appearance of Piazzi's great Catalogue in 1813, it was usual to correct the places of these stars of comparison by finding the errors of some of the stars in the same zone which were also in the catalogue of Piazzi. But this process, besides requiring a good deal of time and trouble, is liable to error.

In the *Astronomische Nachrichten*, vol. i. p. 22, &c., the illustrious Bessel proposed the computation of certain tables, which, assuming Piazzi's Catalogue as the basis, would give an easy method of reducing the observations of stars in the *Histoire Céleste* to *mean* places for 1800. At p. 273 of the same volume he resumes the subject, and at p. 479 there is a corrected table of the intervals of the wires by Professor Encke. On the first appearance of Bessel's recommendation, the computation of such tables was undertaken by MM. Hansen and Nissen, which were afterwards published by Professor Schumacher with the title, *Tafeln zur Reduction der in der HISTOIRE CÉLESTE enthaltenen Beobachtungen*. 8vo. Copenhagen, 1825. By the help of these tables the reduction is made very simply, and is quite independent of all Lalande's data, except the mere observations, the clock *rate*, and the *variation* of the error in the plane of the quadrant. The system of reduction proposed by Bessel is in principle briefly this:

If the time of passing the middle wire by a star = t
the reading of the quadrant = z
and the zenith distance of the middle of the zone = Z

then α , the R. A. and δ , the declination of any star in that zone for 1800, can be expressed by equations of the following form:—

$$\alpha = t + k + k' \frac{z - Z}{100},$$

$$\delta = -z + p + p' \frac{z - Z}{100},$$

where $z - Z$ is expressed in units of minutes of space, k and k' are

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expressed in time, p and p' in arc. There are some modifications of sign, &c. necessary when the instrument was turned to the north and when the stars were observed below pole.

The variation of the plane of the quadrant is taken into account in the calculation of k' , the variation of refraction in the calculation of p' , the rate of the clock enters into k ; the other constituents of these factors embrace every variable portion of the astronomical corrections which are required, leaving, as the only unknown quantities, one error in R.A. and one error in declination, common to all stars in the zone. To eliminate these two errors, every star observed by Lalande and contained in Piazzi's Catalogue is brought up from the *Histoire Céleste* and compared with its place in Piazzi: each star thus treated gives a value of the errors in R.A. and in declination, and from a mean of all the stars in the same zone, the errors of the zone are concluded and the true value of k and p determined. Schumacher's Tables contain the values of k and k' , of p and p' for every 10^m in each zone, with the value of Z for that zone. With these aids the reduction of the observations of the *Histoire Céleste* is performed in a perfectly uniform manner. The result is to *interpolate* the stars of Lalande in the Catalogue of Piazzi by treating the observations as *differential* with respect to Piazzi. For the mode of computing the auxiliary tables, &c. the reader must look to the original memoirs and tables. The reductions themselves were made in skeleton forms, and a little attention to the algebraic signs was all that was required.

The present publication contains the mean places of all those stars in the *Histoire Céleste*, observed by M. F. Delalande, for which Schumacher's Tables give the means of reduction to 1800, and *no others*. The observations in the *Mémoires de l'Académie* are not included. There are a few zones near the pole, which are omitted, though in the *Histoire Céleste*, for which Schumacher's Tables give the reduction to 1790; as well as several zones for which no auxiliary tables are given, probably because the accomplished computers found no solid basis for their construction.

It will be seen that Mr. Baily undertook the entire management of this reduction, and any attempt to account for these omissions must be considered as purely conjectural; for there are no notes to be found which give any information on the subject, and none

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of his friends recollect to have heard of the grounds of his decision. The bringing up to 1800 of stars reduced to 1790 would have introduced a slight inconsistency in the work, and, in some cases, double results; for there are tables to both epochs for a few zones. The reduction of the observations in the *Mémoires de l'Académie* would have required new auxiliary Tables*; and even if an original and laborious investigation for this purpose had fallen within Mr. Baily's intentions, which it certainly did not, the funds which should have supplied the outlay were wholly wanting.

When stars have been observed more than once, each result has been set down as a separate star. The comparison of the partial results will give some measure of the steadiness of the instrument, and the skill of the observer: a comparison of the stars with their places in Piazzi—that is, those observed on nights when many such stars were observed—will afford another criterion how far the present Catalogue may be taken to be a satisfactory filling in of the great Catalogue of Piazzi. It has been already mentioned that there is almost a total want of stars near the pole, and there are numerous gaps (which may be for the most part supplied from the *Mém. de l'Acad.*) as far as 40° or 45° from the pole; after this, the zones are nearly complete and continuous; here and there a few minutes have been overlooked. The want of a star therefore in this Catalogue is only a moderate presumption for its non-existence, and the original work and its index must be referred to in cases of doubt.

The computations seem to have been so carefully made and revised, that little advantage could have been derived from making

* An inspection of the clock corrections set down by Lalande (*Histoire Céleste*) in the zones near the pole, will show the uncertainty which attends transits over the meridian taken with a quadrant. At p. 573 he gives the clock corrections for the zones contained in the *Mémoires de l'Académie*, which are not very satisfactory. Piazzi's Catalogue is not rich in close circumpolar stars: and as the epoch of the observations is not given, neither the variation of precession nor the proper motion can be duly allowed for. A careful and critical reduction of the stars in Bradley, Wollaston and Groombridge might perhaps, in combination with Piazzi, and above all with Lalande's transit observations, if they are in existence, yield a sufficient number of standard stars on which to found a satisfactory reduction. But the labour would be very great, and, after all, the results far from unimpeachable: unless Lalande's transit observations were taken into account, the attempt might be considered hopeless. It is not unlikely that these considerations might weigh with Mr. Baily when forming his matured plan, but the explanation rests on no better foundation than conjecture.

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them in duplicate. A comparison of the printed volume of the *Histoire Céleste* with the original MSS. would have been very useful before commencing the work, and such comparison might be made now with almost equal advantage.

It is proper here to subjoin a short account of the origin and progress of the present work.

In 1837 the British Association voted 500*l.* "for the Reduction of the Observations of Stars in the *Histoire Céleste* and in the volumes of the *Académie des Sciences* for 1789 and 1790," and Mr. Francis Baily, Professor Airy and Dr. Robinson were appointed a committee for carrying the resolution into effect. The appointment of the committee was merely nominal: the entire direction of the work was taken by Mr. Baily, and was intended to be so taken, without any control or assistance from the other members. He engaged in the first instance Mr. John Hartnup, Assistant-Secretary of the Royal Astronomical Society, to make the computations.

The reduction of the observations seems to have been finished in 1842 (Report of the British Association, vol. xi. p. 205), and the original sum allotted by the Association, together with a further sum of 318*l.* 8*s.* 4*d.*, having been expended, an application was made to Government to defray the expenses of printing and publishing. In 1843, Sir Robert Peel, then First Lord of the Treasury, granted 1000*l.* to the British Association to enable them to publish the reductions of the *Histoire Céleste* and of Lacaille's *Cælum Australe*. The printing of the *Histoire Céleste* began in 1844, and Mr. Baily employed Mr. Richard Harris* to revise and correct the press, to examine the reduction of the wires, and to insert the names of constellations according to Mr. Baily's arrangement.

A fair copy of the Catalogue had been prepared by Mr. Hartnup before quitting London.

Mr. Francis Baily died in August 1844, at which time the press-work was completed to No. 7680: at a meeting of the British Association in the following October, Sir J. F. W. Herschel, Bart., the Astronomer Royal, and Lieut. W. S. Stratford, R.N., Superintendent of the Nautical Almanac, were appointed a committee to

* Mr. Harris had succeeded Mr. Hartnup as Assistant-Secretary of the Royal Astronomical Society in November 1843, on Mr. Hartnup's appointment to the direction of the Observatory at Liverpool.

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carry on the publication, Lieut. Stratford undertaking to conduct the work to its completion according to the system pursued by Mr. Baily.

Mr. R. Harris died December 25, 1845; at this period the state of the work was as follows:—The examination of the reductions to the middle wire was completed: the constellations were inserted in the printer's copy to No. 32008: the press-work was completed to No. 28161, and in proof to No. 30080.

Some considerable time elapsed before the papers relating to the Catalogue were obtained from the Executor of Mr. Harris; the conduct of the press-work was then confided to Mr. Edward Russell, who lived to complete the printing of the Catalogue, but died in 1847, leaving the greater part of the Notes still to be collected.

The deaths of Mr. Baily and Mr. Harris, and the absence of Mr. Hartnup from London, necessarily occasioned much perplexity as to the intention and meaning of their references and corrections in many cases. The whole of the computations have been looked over, and all the information, which could be gathered respecting the reduction, will be found in the Notes.

No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1800.			Annual Preces.	North Polar Distance, Jan. 1, 1800.	Annual Preces.	Page in H.Cél.
			h	m	s	s	° ' "	"	
1	Cetus.....	6½	0	0	4.11	+3,070	96 21 30.7	-20,060	189
2	Cassiopea	7½	0	4.63		3,070	33 57 34.4	20,060	370
3	Cassiopea	8	0	5.97		3,070	39 11 59.0	20,060	305
4	Andromeda ..	7½	0	8.82		3,070	62 27 35.5	20,060	573
5	Cassiopea	7½	0	9.89		3,071	31 26 21.8	20,060	372
6	Cetus.....	8½	0	9.99		3,069	102 53 56.3	20,060	190
7	Cetus.....	9	0	10.62		3,070	97 9 8.5	20,060	187
8	Cassiopea	10	0	11.57		3,071	38 47 43.0	20,060	369
9	Cetus.....	8½	0	12.58		3,069	105 33 40.4	20,060	186
10	Andromeda ..	7	0	14.31		3,071	57 58 58.0	20,060	349
11	Andromeda ..	7½	0	14.32		3,071	57 58 55.3	20,060	303
12	Pegasus	9	0	14.65		3,070	75 52 34.2	20,060	37
13	Cassiopea	9	0	22.77		3,073	35 46 17.1	20,060	373
14	Pisces.....	8	0	24.76		3,070	88 48 44.6	20,060	122
15	Cassiopea	9	0	25.51		3,073	39 56 3.7	20,060	305
16	Pisces.....	.	0	26.30		3,070	89 3 30.0	20,060	122
17	Andromeda ..	8	0	26.44		3,072	53 38 28.1	20,060	126
18	Cassiopea	8½	0	27.47		3,074	34 8 26.5	20,060	370
19	Cetus.....	6½	0	27.58		3,069	103 41 29.3	20,060	191
20	Andromeda ..	8	0	27.99		3,071	58 52 16.9	20,060	349
21	Andromeda ..	8	0	28.41		3,071	58 52 12.3	20,060	303
22	Andromeda ..	8	0	29.91		3,071	60 25 26.4	20,060	123
23	Andromeda ..	8	0	30.21		3,071	60 25 34.7	20,060	307
24	Andromeda ..	9	0	31.39		3,073	43 0 3.8	20,060	304
25	Andromeda ..	9	0	32.68		3,072	50 32 18.6	20,060	476
26	Andromeda ..	9	0	34.39		3,072	51 20 57.2	20,060	476
27	Cetus.....	8	0	34.79		3,068	113 2 51.4	20,060	557
28	Cetus.....	8	0	34.96		3,068	113 2 48.9	20,060	570
29	Pegasus	8½	0	37.32		3,070	78 24 4.6	20,060	39
30	Andromeda ..	.	0	42.91		3,072	61 33 36.6	20,060	573
31	Pisces.....	8	0	50.65		3,070	86 58 43.8	20,060	118
32	Cetus.....	6½	0	54.84		3,069	94 25 59.6	20,060	133
33	Pisces.....	8	1	0.15		3,070	83 9 49.9	20,060	127
34	Andromeda ..	8	1	0.36		3,073	60 39 50.7	20,060	123
35	Andromeda ..	8	1	0.62		3,073	60 39 50.9	20,060	307
36	Pisces.....	8	1	0.75		3,070	83 9 51.0	20,060	128
37	Cetus.....	5	1	4.17		3,068	106 33 55.7	20,060	244
38	Cetus.....	5	1	4.35		3,068	106 33 56.0	20,060	186
39	Andromeda ..	8	1	10.81		3,075	50 42 51.8	20,059	476
40	Cassiopea	8	0	13.25		+3,080	35 9 9.6	-20,059	373

No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1800.			Annual Preces.	North Polar Distance, Jan. 1, 1800.	Annual Preces.	Page in H.Cél.
			h	m	s	s	°	'	"
41	Andromeda ..	8½	0	1	15,90	+3,074	57	25	57,6
42	Pisces.....	8½		1	16,17	3,069	92	14	4,2
43	Pegasus	7½		1	17,70	3,072	72	41	11,5
44	Cetus	7½		1	19,27	3,069	94	11	26,1
45	Cassiopea	8		1	19,34	3,081	33	50	29,1
46	Andromeda ..	8½		1	20,65	3,074	62	53	18,9
47	Andromeda ..	8½		1	20,90	3,075	57	11	27,3
48	Cetus	7		1	22,77	3,067	109	42	49,1
49	Pegasus	9		1	22,82	3,071	78	17	30,5
50	Sculptor.....	6		1	24,00	3,065	118	54	58,9
51	Sculptor.....	5		1	24,06	3,065	118	54	49,0
52	Cetus	8½		1	26,03	3,068	100	48	46,6
53	Pisces.....	8		1	32,17	3,071	81	58	22,2
54	Andromeda ..	8		1	32,68	3,074	62	41	27,8
55	Andromeda ..	7		1	32,74	3,074	62	41	27,7
56	Andromeda ..	6		1	34,96	3,080	42	57	41,7
57	Andromeda ..	7½		1	41,67	3,075	62	29	57,5
58	Cassiopea	7		1	41,80	3,083	37	29	21,4
59	Pegasus	7½		1	42,15	3,074	67	38	27,4
60	Cetus	8½		1	42,59	3,065	113	55	49,3
61	Andromeda ..	7		1	42,81	3,075	62	30	2,5
62	Cetus	8		1	42,90	3,065	113	55	44,7
63	Andromeda ..	8		1	43,89	3,080	43	37	9,1
64	Andromeda ..	8		1	45,58	3,081	42	55	50,7
65	Andromeda ..	8		1	45,79	3,078	52	4	25,4
66	Cassiopea	8½		1	48,52	3,083	37	41	51,6
67	Cetus	7½		1	50,76	3,067	104	55	28,3
68	Andromeda ..	7½		1	50,82	3,078	51	12	33,3
69	Andromeda ..	•		1	50,85	3,078	51	12	43,1
70	Cetus	6		1	51,42	3,067	104	55	31,7
71	Cetus	9		1	51,53	3,068	98	12	1,1
72	Cetus	6		1	57,15	3,066	109	2	58,2
73	Cetus	6½		1	57,16	3,066	109	2	56,0
74	Cetus	8		2	1,67	3,063	118	53	54,1
75	Cetus	7½		2	2,05	3,063	118	54	4,6
76	Pegasus	8½		2	7,36	3,074	70	52	31,0
77	Andromeda ..	6		2	9,75	3,082	46	24	12,7
78	Andromeda ..	7½		2	10,72	3,082	46	31	24,8
79	Pegasus	9		2	14,32	3,075	66	28	33,0
80	Cassiopea	8	0	2	16,97	+3,089	33	53	11,0
									-20,059

No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1800.	Annual Preces.	North Polar Distance, Jan. 1, 1800.	Annual Preces.	Page in H. Cel.
			h m s	s	° ' "	"	
81	Andromeda ..	8	0 2 17,70	+3,08n	51 49 38,3	-20,059	136
82	Cetus	8	2 20,55	3,067	102 48 21,6	20,059	244
83	Andromeda ..	8½	2 20,74	3,077	62 42 22,7	20,059	573
84	Andromeda ..	8	2 22,74	3,084	45 1 0,6	20,059	242
85	Cetus	8½	2 23,73	3,066	104 43 20,3	20,059	191
86	Cetus	8	2 24,80	3,066	104 43 23,8	20,059	247
87	Cetus	7½	2 25,04	3,069	92 20 20,5	20,059	131
88	Pegasus	8½	2 26,32	3,077	64 0 5,2	20,059	27
89	Andromeda ..	6½	2 28,50	3,080	53 25 6,8	20,058	126
90	Cetus	9	2 31,52	3,067	98 8 33,9	20,058	187
91	Pisces	9½	2 32,00	3,071	84 56 3,5	20,058	128
92	Cassiopea	9	2 33,39	3,091	35 15 14,6	20,058	373
93	Cassiopea	9	2 33,80	3,105	22 56 22,5	20,058	374
94	Cassiopea	9½	2 36,11	3,087	41 11 10,1	20,058	369
95	Cassiopea	7	2 36,79	3,087	41 11 11,7	20,058	305
96	Cassiopea	7	2 37,06	3,087	41 11 17,0	20,058	304
97	Cassiopea	7	2 38,75	3,097	29 4 17,3	20,058	372
98	Cetus	8½	2 40,99	3,067	98 1 28,5	20,058	187
99	Cetus	•	2 41,30	3,068	94 29 26,8	20,058	133
100	Andromeda ..	8	2 42,96	3,081	53 41 40,0	20,058	126
101	Andromeda ..	7½	2 43,03	3,080	55 48 58,0	20,058	389
102	Pegasus	•	2 46,30	3,075	70 55 13,1	20,058	35
103	Cetus	7½	2 53,23	3,062	113 35 6,8	20,058	557
104	Cassiopea	9½	2 53,81	3,089	41 18 17,2	20,058	369
105	Cassiopea	7	2 53,91	3,089	41 23 17,9	20,058	305
106	Cassiopea	7½	2 54,59	3,089	41 23 22,2	20,058	304
107	Pegasus ....γ	2	2 56,92	3,074	75 55 40,3	20,058	39
108	Pegasus ....γ	2	2 57,01	3,074	75 55 51,9	20,058	40
109	Pegasus ....γ	2	2 57,02	3,074	75 55 40,9	20,058	197
110	Pegasus ....γ	•	2 57,07	3,074	75 55 40,8	20,058	34
111	Pegasus ....γ	•	2 57,21	3,074	75 55 43,2	20,058	37
112	Cassiopea	9	2 57,24	3,110	23 3 12,6	20,058	374
113	Pegasus ....γ	•	2 57,27	3,074	75 55 46,0	20,058	194
114	Pegasus ....γ	2	2 57,28	3,074	75 55 41,5	20,058	200
115	Pegasus ....γ	2	2 57,29	3,074	75 55 43,6	20,058	203
116	Pegasus ....γ	•	2 57,32	3,074	75 55 38,7	20,058	38
117	Pegasus ....γ	•	2 57,87	3,075	75 55 46,2	20,058	477
118	Sculptor.....	8½	3 0,06	3,060	118 55 40,0	20,058	561
119	Sculptor.....	8	3 0,17	3,060	118 55 26,5	20,058	570
120	Pisces.....	8	0 3 2,86	+3,072	82 10 52,5	-20,058	127

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121	Cetus	6	0	3	4,65	+3,060	117	23	51,0	-20,058	559
122	Andromeda ..	9		3	4,66	3,085	49	30	1,0	20,058	308
123	Pisces.....	6		3	4,89	3,078	64	7	22,3	20,058	27
124	Cetus	8		3	6,64	3,062	111	44	5,0	20,058	391
125	Andromeda ..	6		3	10,17	3,085	50	3	43,1	20,058	477
126	Cassiopea	9		3	12,19	3,093	38	27	10,2	20,058	306
127	Andromeda ..	8½		3	18,68	3,086	49	22	11,9	20,057	308
128	Andromeda ..	8½		3	23,81	3,082	58	33	20,6	20,057	349
129	Cassiopea	8		3	24,20	3,103	31	6	46,3	20,057	372
130	Pisces.....	8½		3	24,33	3,072	84	31	50,8	20,057	128
131	Pegasus	8		3	25,14	3,076	72	28	26,2	20,057	477
132	Pisces.....	8		3	28,03	3,072	82	55	8,5	20,057	127
133	Cetus	8		3	32,04	3,059	117	26	19,7	20,057	559
134	Pisces.....	7½		3	33,43	3,070	89	43	41,4	20,057	119
135	Cetus	8		3	33,49	3,060	114	19	29,3	20,057	557
136	Cassiopea	8		3	34,28	3,105	30	23	32,5	20,057	372
137	Cetus	6		3	34,38	3,059	117	7	50,3	20,057	559
138	Pisces.....	9½		3	35,83	3,071	85	1	30,5	20,057	128
139	Andromeda ..	8½		3	38,25	3,088	49	7	44,7	20,057	308
140	Andromeda ..	9		3	40,20	3,083	57	46	34,8	20,057	349
141	Andromeda ..	6½		3	41,19	3,083	57	54	21,9	20,057	349
142	Cetus	9		3	42,86	3,065	100	51	13,7	20,057	192
143	Pegasus	8½		3	43,54	3,080	65	25	50,4	20,057	29
144	Cassiopea	8		3	45,06	3,100	35	49	49,0	20,057	373
145	Cetus	8		3	49,60	3,069	91	8	40,1	20,057	131
146	Pisces.	9		3	49,79	3,072	84	14	5,4	20,057	128
147	Andromeda ..	8½		3	50,22	3,085	55	41	41,9	20,057	389
148	Cassiopea	8		3	50,80	3,098	38	15	6,0	20,057	306
149	Cetus	8		3	56,04	3,066	98	18	31,5	20,057	187
150	Pegasus	9		3	58,26	3,080	65	36	47,6	20,057	29
151	Cassiopea	8½		3	59,51	3,097	40	48	30,4	20,056	305
152	Cetus	9		3	59,94	3,069	91	40	47,1	20,056	131
153	Pegasus	8		4	8,73	3,076	74	28	13,7	20,056	100
154	Andromeda ..	7		4	9,21	3,090	50	4	53,1	20,056	477
155	Cetus	7		4	10,96	3,068	93	18	34,0	20,056	133
156	Cetus	7		4	11,54	3,060	112	17	48,0	20,056	391
157	Sculptor.....	8		4	11,54	3,056	118	38	18,8	20,056	561
158	Cetus	6½		4	14,23	3,066	98	53	34,4	20,056	187
159	Pegasusχ	5½		4	16,17	3,078	70	54	19,0	20,056	35
160	Pegasusχ	4½	0	4	16,40	+3,078	70	54	23,0	-20,056	477

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161	Pisces.....	6	0	4	16.72	+3,078	80	54	21.1	-20,056	203
162	Cetus.....	7½		4	17.41	3,063	105	32	18.5	20,056	249
163	Pisces.....	7½		4	22.18	3,070	89	48	56.6	20,056	119
164	Andromeda ..	9		4	22.70	3,092	49	21	4.9	20,056	308
165	Cetus.....	9		4	26.30	3,065	100	31	17.4	20,056	192
166	Pisces.....	9		4	26.49	3,071	87	44	53.5	20,056	122
167	Cetus.....	7½		4	26.57	3,062	105	55	1.4	20,056	249
168	Cassiopea ...	8		4	26.98	3,104	37	2	3.0	20,056	373
169	Cetus.....	5		4	27.11	3,060	110	2	28.7	20,056	557
170	Cetus.....	5		4	28.38	3,060	110	2	32.4	20,056	250
171	Cetus.....	5		4	28.52	3,060	110	2	26.2	20,056	390
172	Cetus.....	8		4	29.13	3,063	103	51	35.7	20,056	247
173	Cassiopea	8½		4	34.02	3,115	30	20	24.5	20,055	372
174	Cassiopea	7½		4	34.71	3,103	38	28	17.2	20,055	306
175	Cetus.....	8		4	35.16	3,069	91	24	52.5	20,055	131
176	Andromeda ..	9½		4	35.32	3,089	54	41	1.8	20,055	126
177	Pegasus.....	7		4	36.10	3,080	68	49	34.9	20,055	31
178	Cetus.....	7½		4	36.45	3,056	117	24	0.0	20,055	561
179	Cetus.....	7½		4	37.39	3,062	105	17	18.2	20,055	249
180	Andromeda ..	9		4	40.48	3,098	43	51	15.4	20,055	248
181	Andromeda ..	8½		4	40.90	3,090	53	2	14.2	20,055	137
182	Pisces.....	7½		4	41.37	3,073	82	17	22.6	20,055	127
183	Cetus.....	6		4	41.65	3,064	100	40	51.1	20,055	192
184	Cassiopea	8		4	41.70	3,105	37	32	34.3	20,055	306
185	Pisces.....	9		4	41.83	3,073	82	17	35.6	20,055	127
186	Andromeda ..	6½		4	44.95	3,086	59	34	34.6	20,055	123
187	Andromeda ..	7½		4	45.04	3,087	58	4	55.0	20,055	349
188	Andromeda ..	6½		4	45.14	3,086	59	34	34.0	20,055	307
189	Andromeda ..	8		4	46.66	3,088	56	14	32.4	20,055	389
190	Andromeda ..	9		4	48.23	3,099	43	43	43.3	20,055	248
191	Andromeda ..	6		4	49.42	3,083	63	49	37.9	20,055	27
192	Pegasus.....	8½		4	56.26	3,083	65	42	55.7	20,055	29
193	Andromeda ..	7		4	59.58	3,085	62	31	16.6	20,055	573
194	Andromeda ..	6		4	59.89	3,097	46	54	32.1	20,055	11
195	Cetus.....	9½		5	4.19	3,060	107	52	5.8	20,054	390
196	Cassiopea	8		5	4.90	3,104	41	3	41.5	20,054	305
197	Cepheus.....	6½		5	5.42	3,187	14	9	41.7	20,054	351
198	Pisces.....	9		5	14.32	3,076	77	41	32.6	20,054	39
199	Cassiopea	7		5	18.48	3,123	50	6	42.1	20,054	372
200	Cassiopea	8½	0	5	19.59	+3,118	32	47	2.9	-20,054	368

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201	Andromeda ..	8½	5	20.49		+3,094	52	5	28.3	-20,054	137
202	Andromeda ..	8	5	33.61		3,095	52	21	12.6	20,054	137
203	Pisces.....	9	5	36.62		3,071	88	24	34.8	20,054	122
204	Cetus.....	8	5	37.98		3,066	96	42	49.3	20,054	135
205	Pisces.....	8	5	41.53		3,071	86	51	37.5	20,054	118
206	Cetus.....	9	5	47.30		3,063	100	35	20.8	20,053	192
207	Pisces.....	8	5	48.53		3,074	82	59	41.6	20,053	127
208	Cassiopea	8	5	53.63		3,115	37	10	0.0	20,053	373
209	Andromeda ..	6½	5	54.28		3,101	47	30	58.6	20,053	308
210	Cassiopea	8½	6	8.51		3,118	36	27	12.3	20,052	373
211	Andromeda ..	8	6	10.03		3,089	61	49	7.9	20,052	573
212	Cetus.....	8½	6	13.83		3,054	113	41	58.1	20,052	557
213*	Cetus.....	8	6	13.93		3,054	113	41	50.5	20,052	391
214	Andromeda ..	8½	6	15.51		3,108	43	49	59.4	20,052	248
215	Pisces.....	8½	6	15.94		3,079	75	16	20.6	20,052	200
216	Andromeda ..	8½	6	16.02		3,101	49	15	54.2	20,052	477
217	Cassiopea	7	6	17.94		3,135	29	34	46.6	20,052	372
218	Pisces.....	6½	6	18.14		3,074	82	52	12.4	20,052	127
219	Pisces.....	6½	6	18.51		3,074	82	52	12.5	20,052	128
220	Andromeda ..	7½	6	18.81		3,091	54	37	18.7	20,052	126
221	Andromeda ..	7½	6	19.37		3,096	54	28	53.6	20,052	126
222	Andromeda ..	7	6	22.79		3,107	44	29	51.8	20,052	248
223	Cetus.....	8	6	22.90		3,068	92	37	58.0	20,052	131
224	Cetus.....	7	6	23.66		3,063	104	30	52.9	20,052	247
225	Pisces.....	8	6	24.17		3,079	89	15	43.4	20,052	119
226	Cassiopea	6½	6	24.64		3,112	41	39	2.3	20,052	304
227	Pisces.....	8	6	24.82		3,070	89	15	43.3	20,052	122
228	Pisces.....	8½	6	27.47		3,078	77	11	43.8	20,052	39
229	Cassiopea	8	6	27.86		3,118	37	52	6.5	20,052	306
230	Pisces.....	7	6	28.87		3,076	80	52	1.5	20,052	40
231	Andromeda ..	8	6	29.36		3,100	51	18	37.4	20,052	477
232	Cassiopea	8½	6	29.90		3,125	34	12	4.0	20,052	370
233	Cassiopea	8½	6	32.86		3,091	61	5	4.2	20,051	573
234	Cetus.....	6½	6	32.96		3,055	111	18	19.4	20,051	391
235	Pegasus.....	7	6	34.26		3,085	67	51	13.5	20,051	31
236	Andromeda ..	6	6	39.70		3,111	43	9	53.7	20,051	304
237	Andromeda..θ	4	6	41.00		3,100	52	25	45.3	20,051	476
238	Andromeda..μ	4½	6	41.09		3,100	52	25	47.6	20,051	137
239	Cassiopea	9	6	41.90		3,123	36	7	53.0	20,051	373
240	Andromeda ..	8	6	42.96		+3,092	60	2	10.9	-20,051	123

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			h m s	s	° ' "	"	
241	Andromeda ..	7½	0 6 43,36	+3,092	60 2 15,3	-20,051	307
242	Pisces.....	7½	6 44,84	3,076	80 43 21,3	20,051	40
243	Pegasus	8½	6 50,98	3,086	67 30 50,1	20,051	31
244	Pegasus	9	6 51,05	3,083	72 0 10,6	20,051	477
245	Cetus	8	6 51,14	3,068	92 45 55,3	20,051	131
246	Pegasus	9	6 54,01	3,087	66 26 57,7	20,050	29
247	Andromeda ..	5½	6 55,55	3,107	47 30 59,7	20,050	11
248	Andromeda ..	.	7 0,21	3,108	47 6 45,2	20,050	11
249	Pegasus	8	7 3,20	3,081	74 35 56,8	20,050	200
250	Pisces.....	7	7 6,97	3,075	82 14 25,5	20,050	127
251	Andromeda ..	8	7 7,38	3,099	54 33 38,7	20,050	126
252	Cassiopea	8	7 10,42	3,120	39 40 43,3	20,050	369
253	Cassiopea	6	7 10,60	3,120	39 40 43,2	20,050	305
254	Cepheus.....	8	7 11,36	3,228	14 50 9,8	20,050	351
255	Andromeda ..	9½	7 20,11	3,103	52 57 18,6	20,049	137
256	Andromeda ..	6½	7 22,53	3,110	46 32 2,5	20,049	11
257	Cetus	7	7 23,20	3,054	110 9 44,5	20,049	250
258	Pegasus	7	7 27,88	3,081	74 46 47,0	20,049	200
259	Pegasus	7	7 31,05	3,085	70 52 57,8	20,049	35
260	Pisces.....	8	7 31,42	3,072	87 18 55,7	20,049	122
261	Pisces.....	6½	7 31,62	3,070	89 25 20,7	20,049	119
262	Andromeda ..	9	7 32,00	3,089	56 32 2,5	20,049	389
263	Andromeda ..	7½	7 32,17	3,106	50 21 49,4	20,049	477
264	Cetus	7	7 34,46	3,067	92 58 23,8	20,048	131
265	Cetus	6½	7 34,58	3,067	92 58 27,1	20,048	133
266	Cassiopea	8½	7 35,68	3,148	29 23 8,2	20,048	372
267	Cetus	8½	7 35,84	3,064	97 15 49,9	20,048	187
268	Pisces.....	8	7 36,24	3,075	83 14 43,0	20,048	128
269	Andromeda ..	.	7 36,64	3,095	59 49 6,7	20,048	123
270	Andromeda ..	8	7 36,99	3,095	59 49 7,0	20,048	307
271	Cassiopea	8½	7 37,58	3,132	35 37 36,5	20,048	373
272	Pisces.....	7½	7 38,44	3,079	78 20 19,3	20,048	39
273	Andromeda ..	6	7 38,59	3,114	44 53 50,1	20,048	248
274	Cassiopea	8	7 38,63	3,125	38 41 43,3	20,048	306
275	Cetus	6	7 42,71	3,058	104 34 0,2	20,048	247
276*	Cetus	7	7 44,37	3,067	93 7 34,4	20,048	133
277	Cassiopea	8½	7 46,29	3,152	28 54 30,8	20,048	372
278	Cassiopea	8	7 50,50	3,121	41 36 3,3	20,048	304
279	Pisces.....	7½	7 53,04	3,072	87 18 55,3	20,048	118
280	Pisces.....	7	0 7 53,35	+3,070	89 25 23,7	-20,047	122

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281	Andromeda...σ	5	0 7 54.55	+3,103	54 19 25.5	-20,047	476
282	Andromeda ..	8½	7 54.85	3,096	60 8 47.4	20,047	307
283	Andromeda...σ	5	7 54.96	3,103	54 19 29.5	20,047	126
284	Cassiopea	9	7 56.47	3,181	22 36 45.8	20,047	374
285	Andromeda ..	9	7 57.44	3,105	52 22 28.6	20,047	137
286	Pegasus	8½	7 59.02	3,085	71 42 27.2	20,047	477
287	Cassiopea	8	8 1.86	3,129	38 11 2.8	20,047	306
288	Cetus	7	8 4.48	3,067	93 7 30.1	20,047	131
289	Cassiopea	9	8 4.55	3,182	22 41 21.9	20,047	374
290	Pegasus	7½	8 8.00	3,092	64 53 15.4	20,047	29
291	Cetus	7	8 8.43	3,050	112 14 58.8	20,047	391
292	Pegasus	7	8 8.56	3,092	64 58 10.3	20,047	27
293	Andromeda ..	5½	8 11.67	3,114	47 19 9.4	20,047	11
294	Andromeda ..	5	8 12.58	3,114	47 19 16.9	20,047	3
295	Andromeda ..	6½	8 12.68	3,114	47 19 14.4	20,047	308
296	Andromeda ..	5½	8 13.22	3,098	59 35 39.8	20,047	307
297	Andromeda ..	6	8 13.25	3,098	59 35 39.5	20,047	123
298	Andromeda ..	6	8 13.87	3,098	59 35 39.5	20,047	349
299	Pegasus	8	8 16.02	3,086	71 26 50.8	20,047	477
300	Pegasus	8	8 18.50	3,089	68 14 0.9	20,046	30
301	Andromeda ..	8½	8 18.54	3,097	60 17 26.1	20,046	123
302	Cassiopea	7½	8 22.03	3,130	38 56 12.5	20,046	306
303	Pegasus	8½	8 23.11	3,083	75 7 5.3	20,046	200
304	Pisces.....	9½	8 23.34	3,080	78 25 54.5	20,046	39
305	Cetus	8	8 24.01	3,062	99 9 18.5	20,046	192
306	Cassiopea	8	8 25.17	3,127	40 24 58.9	20,046	306
307	Cassiopea	8½	8 30.22	3,151	31 24 17.1	20,046	368
308	Cassiopea	8	8 36.19	3,150	31 58 16.7	20,045	368
309	Cetus	8½	8 36.33	3,059	102 3 34.5	20,045	244
310	Cetus	8	8 48.85	3,069	90 29 41.9	20,045	119
311	Pegasus	9	8 52.67	3,084	74 47 43.0	20,044	200
312	Cassiopea	9	8 58.19	3,143	35 28 9.2	20,044	373
313	Pegasus	7	8 59.56	3,094	64 39 18.7	20,044	27
314	Andromeda ..	9	9 0.61	3,118	47 25 56.5	20,044	308
315	Cassiopea	9	9 1.19	3,144	35 26 23.2	20,044	373
316	Cetus	8½	9 1.89	3,069	90 35 21.1	20,044	119
317	Pegasus	7½	9 2.54	3,088	71 6 39.3	20,044	477
318	Pegasus	8	9 2.92	3,088	71 6 30.1	20,044	35
319	Pisces.....	9	9 5.13	3,072	87 25 20.8	20,044	122
320	Pisces.....	8½	0 9 5.17	+3,077	82 4 1.2	-20,044	127

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321	Pegasus	9	0	9	9,69	+3,093	66	22	26,5	-20,044	29
322	Cetus	3		9	12,54	3,060	99	56	1,3	20,043	249
323	Andromeda ..	7		9	13,18	3,114	50	22	52,4	20,043	477
324	Cetus	3		9	13,89	3,060	99	55	59,4	20,043	192
325	Cassiopea	8½		9	14,05	3,145	35	22	55,2	20,043	373
326	Cassiopea	8½		9	14,27	3,133	40	22	36,8	20,043	306
327	Cetus	4		9	14,40	3,060	99	56	0,8	20,043	135
328	Cetus	3		9	14,49	3,060	99	55	58,0	20,043	187
329	Cetus	9		9	19,22	3,051	108	47	24,6	20,043	390
330	Andromeda ..	8		9	19,79	3,109	54	8	50,2	20,043	126
331	Andromeda ..	9½		9	21,28	3,107	55	29	56,6	20,043	389
332	Cassiopea	8		9	21,74	3,203	22	15	50,4	20,043	374
333	Cetus	8		9	26,71	3,046	112	55	6,8	20,042	391
334	Cassiopea	6½		9	31,66	3,131	42	14	39,8	20,042	304
335	Andromeda ..	7½		9	34,86	3,112	52	52	3,9	20,042	137
336	Andromeda ..	7½		9	35,23	3,112	52	51	52,1	20,042	126
337	Andromeda ..	8½		9	36,68	3,122	47	11	4,3	20,042	308
338	Andromeda ..	.		9	36,71	3,122	47	11	9,8	20,042	3
339	Pisces	7		9	36,91	3,085	74	51	35,0	20,042	200
340	Pisces	7		9	37,23	3,085	74	51	32,6	20,042	37
341	Cetus	7		9	37,46	3,066	93	35	31,5	20,042	133
342	Pisces	8½		9	42,05	3,070	89	31	42,9	20,042	119
343	Pisces	8		9	48,80	3,075	84	49	4,2	20,041	128
344	Cetus	7½		9	51,67	3,041	116	13	36,9	20,041	559
345	Pegasus	7½		9	52,50	3,095	66	26	46,6	20,041	29
346	Cassiopea	8		9	52,58	3,153	34	33	8,0	20,041	370
347	Cetus	7½		9	53,10	3,050	108	48	30,6	20,041	250
348	Cetus	8		9	53,59	3,050	108	48	39,9	20,041	390
349	Pisces	8		9	54,06	3,072	88	4	37,0	20,041	122
350	Cetus	9		9	54,74	3,059	100	10	5,2	20,041	192
351	Cassiopea	8		9	55,80	3,173	29	13	55,9	20,041	372
352	Cassiopea	8½		9	56,18	3,134	41	55	17,5	20,041	304
353	Cassiopea	6		9	56,75	3,134	42	8	31,7	20,041	304
354	Andromeda ..	6		9	58,98	3,103	60	10	29,4	20,041	307
355	Andromeda ..	6		9	59,12	3,103	60	10	28,9	20,041	123
356	Andromeda ..	8		9	59,65	3,118	50	11	17,2	20,041	477
357	Andromeda ..	8½		10	0,23	3,123	47	24	56,9	20,041	3
358	Andromeda ..	8		10	0,63	3,123	47	24	59,5	20,041	308
359	Andromeda ..	7½		10	4,83	3,103	60	8	19,4	20,040	307
360	Andromeda ..	8	0	10	5,13	+3,103	60	8	23,9	-20,040	123

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361	Cetus	9	0 10 5,58	+3,057	102 16 40,6	-20,040	244
362	Pisces.....	8	10 6,06	3,073	86 19 49,5	20,040	118
363	Cetus	9	10 6,17	3,059	100 0 53,7	20,040	192
364	Andromeda ..	9	10 8,69	3,130	44 33 56,8	20,040	248
365	Pisces.....	7½	10 12,60	3,080	80 11 30,4	20,040	40
366	Pisces.....	6	10 19,14	3,077	82 55 13,4	20,039	127
367	Andromeda ..	6	10 19,63	3,107	58 11 58,1	20,039	349
368	Pisces.....	9	10 20,34	3,082	78 47 56,9	20,039	39
369	Pegasus	7	10 21,45	3,098	64 45 52,8	20,039	27
370	Andromeda ..	7½	10 21,75	3,131	44 37 29,8	20,039	248
371	Andromeda ..	9½	10 25,68	3,131	44 35 10,8	20,039	248
372	Andromeda ..	7½	10 27,57	3,108	58 7 45,0	20,039	349
373	Pisces.....	.	10 28,89	3,089	72 37 48,5	20,039	477
374	Andromeda ..	9	10 29,13	3,126	47 23 49,5	20,039	308
375	Pisces.....	7	10 36,75	3,080	80 7 54,4	20,038	40
376	Andromeda..ρ	5	10 37,28	3,116	53 8 34,1	20,038	137
377	Andromeda..ρ	5	10 37,35	3,116	53 8 22,1	20,038	476
378	Andromeda..ρ	6	10 37,51	3,116	53 8 27,4	20,038	126
379	Andromeda ..	7	10 38,71	3,129	46 9 52,8	20,038	11
380	Andromeda ..	9	10 39,51	3,117	52 42 13,7	20,038	137
381	Pisces.....	7½	10 40,54	3,083	78 20 20,2	20,038	39
382	Cetus	9½	10 40,69	3,067	91 58 56,6	20,038	131
383	Andromeda ..	7	10 41,46	3,113	55 13 46,4	20,038	389
384	Cassiopea	9	10 41,79	3,143	40 26 23,8	20,038	306
385	Cetus	7	10 42,15	3,041	114 44 33,8	20,038	557
386	Cetus	8½	10 44,85	3,046	111 2 17,9	20,037	391
387	Pegasus	8	10 45,86	3,098	65 46 23,6	20,037	29
388	Andromeda ..	9	10 46,73	3,103	62 12 23,3	20,037	573
389	Cassiopea	8	10 48,62	3,182	29 25 1,1	20,037	372
390	Cetus	7	10 49,73	3,065	94 1 9,5	20,037	133
391	Cetus	9	10 50,71	3,058	100 13 6,4	20,037	192
392	Andromeda ..	.	10 56,50	3,102	63 22 34,7	20,036	27
393	Andromeda ..	8	10 56,65	3,102	63 22 33,2	20,036	24
394	Andromeda ..	8½	10 58,78	3,134	44 47 22,0	20,036	248
395	Andromeda ..	7½	11 1,18	3,103	62 47 5,9	20,036	573
396	Andromeda ..	7	11 5,25	3,119	52 55 18,9	20,036	137
397	Andromeda ..	7½	11 5,27	3,119	52 55 25,2	20,036	126
398	Cassiopea	8	11 5,98	3,169	33 8 27,8	20,036	368
399	Cassiopea	8½	11 16,20	3,155	37 37 39,2	20,035	306
400	Andromeda ..	8	0 11 21,74	+3,103	63 7 29,9	-20,035	24

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401	Andromeda ..	8	11 22,12	+3,103	63 7 33,2	-20,035	573
402	Sculptor.....	5	11 26,95	3,031	120 5 23,0	20,035	561
403	Andromeda ..	8½	11 27,60	3,104	62 50 48,9	20,035	573
404	Cetus.....	8½	11 36,82	3,068	91 6 51,7	20,034	131
405	Cetus.....	6	11 38,29	3,043	111 10 8,2	20,034	391
406	Cetus.....	6	11 38,58	3,043	111 9 59,8	20,034	250
407	Cassiopea	8	11 38,76	3,158	37 30 32,1	20,034	306
408	Cetus.....	8	11 44,73	3,039	114 6 47,6	20,033	557
409	Andromeda ..	8	11 47,38	3,121	53 20 45,7	20,033	126
410	Cetus.....	9	11 49,48	3,054	103 7 23,4	20,033	247
411	Andromeda ..	9½	11 50,70	3,131	48 31 6,4	20,033	308
412	Pegasus.....	8	11 53,72	3,100	66 25 50,4	20,032	29
413	Andromeda ..	6½	11 54,74	3,117	55 34 23,7	20,032	389
414	Cetus.....	8	12 1,76	3,062	96 17 56,0	20,032	135
415	Pisces.....	7½	12 5,26	3,085	77 37 46,3	20,032	39
416	Cassiopea	8	12 5,64	3,165	36 27 55,9	20,032	373
417	Cassiopea	9	12 16,14	3,165	36 49 12,3	20,031	373
418	Andromeda ..	7½	12 22,29	3,109	61 39 14,8	20,030	573
419	Andromeda ..	6½	12 22,93	3,109	61 39 17,8	20,030	307
420	Pisces.....	9	12 25,80	3,071	89 17 10,3	20,030	122
421	Andromeda ..	7½	12 26,49	3,126	52 21 16,5	20,030	137
422	Cassiopea	8	12 30,64	3,192	30 52 28,3	20,030	368
423	Cetus.....	8½	12 31,95	3,056	100 43 47,3	20,030	192
424	Pegasus.....	8	12 34,00	3,098	61 43 19,5	20,030	31
425	Cassiopea	9	12 34,18	3,168	36 47 18,2	20,030	373
426	Pegasus.....	8	12 34,26	3,098	61 43 18,9	20,030	203
427	Cetus.....	6	12 36,63	3,052	103 19 24,4	20,029	247
428	Cetus.....	6	12 37,17	3,052	103 19 25,0	20,029	244
429	Cassiopea	8½	12 39,34	3,163	38 24 0,8	20,029	306
430	Cetus.....	9	12 47,55	3,060	97 28 46,6	20,028	187
431	Cetus.....	8	12 48,13	3,060	97 34 20,9	20,028	187
432	Pisces.....	9	12 48,17	3,092	73 20 29,2	20,028	200
433	Pisces.....	9	12 49,48	3,095	71 1 16,8	20,028	35
434	Cetus.....	7	12 54,10	3,047	107 3 26,1	20,028	390
435	Andromeda ..	9	13 1,94	3,126	53 40 34,8	20,027	126
436	Pisces.....	9	13 1,95	3,081	81 45 34,7	20,027	127
437	Cassiopea	7	13 4,25	3,201	30 8 36,7	20,027	372
438	Cassiopea	9	13 4,58	3,267	21 8 21,0	20,027	374
439	Andromeda ..	8	13 5,30	3,136	49 3 5,8	20,027	308
440	Andromeda ..	8½	13 5,42	+3,136	49 3 2,6	-20,027	3

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441	Andromeda ..	7½	0	13	5.67	+3,136	49	3	13.0	-20,027	477
442	Andromeda ..	7		13	6.37	3,143	46	1	15.6	20,027	11
443	Pisces.....	9		13	6.69	3,094	72	34	15.5	20,027	477
444	Pisces.....	8½		13	8.33	3,084	79	16	27.5	20,027	39
445	Pisces.....	9		13	8.68	3,084	79	16	21.2	20,027	40
446	Cetus	8½		13	17.17	3,041	109	59	57.3	20,026	250
447	Cetus	7½		13	17.37	3,041	110	0	3.2	20,026	392
448	Pegasus	9½		13	18.26	3,100	68	49	1.0	20,026	203
449	Pisces.....	8		13	22.90	3,072	88	21	57.6	20,025	122
450	Cassiopea	8		13	23.86	3,201	30	39	25.0	20,025	368
451	Andromeda ..	9		13	24.09	3,112	61	36	49.7	20,025	573
452	Andromeda ..	8½		13	25.59	3,112	61	36	24.7	20,025	573
453	Cetus	8½		13	25.67	3,064	94	9	27.9	20,025	133
454	Cetus	9		13	26.63	3,067	91	39	2.9	20,025	131
455	Pisces.....	9		13	26.75	3,081	81	28	51.3	20,025	127
456	Cassiopea	8		13	28.99	3,173	37	17	3.8	20,025	306
457	Pisces.....	8½		13	30.54	3,094	72	31	41.4	20,025	477
458	Cassiopea	7		13	32.50	3,167	39	5	23.3	20,024	369
459	Cassiopea	6		13	32.73	3,167	39	5	24.5	20,024	306
460	Andromeda ..	9		13	35.16	3,116	59	55	11.7	20,024	123
461	Andromeda ..	9		13	35.46	3,116	59	55	13.2	20,024	307
462	Andromeda ..	7		13	35.94	3,148	45	14	12.6	20,024	11
463	Andromeda ..	8		13	36.20	3,148	45	14	16.3	20,024	248
464	Pisces.....	8		13	41.69	3,073	87	20	53.7	20,024	122
465	Cetus	8		13	46.30	3,063	94	35	3.9	20,023	133
466	Cetus	8½		13	50.64	3,042	108	55	22.6	20,023	390
467	Cassiopea	6½		13	51.18	3,214	29	16	46.0	20,023	372
468	Andromeda ..	8½		13	56.96	3,108	64	42	44.6	20,023	27
469	Pisces.....	8		14	1.87	3,070	89	32	43.9	20,022	119
470	Cetus	9		14	4.74	3,066	92	20	57.4	20,022	131
471	Andromeda ..	9		14	8.41	3,158	43	11	58.8	20,021	248
472	Cetus	8½		14	8.54	3,032	114	30	44.7	20,021	557
473	Andromeda ..	7		14	11.31	3,118	59	44	5.5	20,021	123
474	Andromeda ..	6½		14	11.76	3,118	59	44	7.0	20,021	307
475	Sculptor.....	8½		14	13.16	3,025	118	8	36.4	20,021	561
476	Pisces.....	8½		14	14.82	3,093	74	7	42.2	20,021	200
477	Cetus	6½		14	16.91	3,065	93	19	35.9	20,021	133
478	Pisces.....	7		14	17.86	3,089	76	47	36.9	20,020	37
479	Pisces.....	8		14	18.08	3,089	76	47	35.2	20,020	39
480	Cetus	8½	0	14	20.40	+3,061	95	45	24.5	-20,020	135

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481	Cassiopea	6	h m s 0 14 21.05	+ 3.177	38 3 44.5	- 20.020	306
482	Pisces.....	•	14 21.98	3.098	71 2 8.9	20.020	35
483	Andromeda ..	8	14 23.33	3.159	43 3 50.7	20.020	248
484	Andromeda ..	7½	14 23.85	3.159	43 3 42.4	20.020	304
485	Sculptor.....	9	14 27.34	3.025	118 1 39.3	20.020	561
486	Cassiopea	8½	14 29.92	3.177	38 16 13.7	20.020	306
487	Cetus.....	8	14 31.48	3.037	111 2 25.9	20.019	392
488	Andromeda ..	8½	14 31.91	3.136	51 57 58.1	20.019	137
489	Andromeda ..	8½	14 33.37	3.136	52 4 23.2	20.019	137
490	Cepheus.....	7	14 36.02	3.505	11 3 22.6	20.019	351
491	Andromeda ..	8	14 37.05	3.116	61 15 38.4	20.019	307
492	Cepheus.....	7	14 40.45	3.508	11 3 22.9	20.018	351
493	Cetus.....	8½	14 41.67	3.029	115 23 48.7	20.018	559
494	Cetus.....	8	14 43.16	3.039	109 34 33.2	20.018	250
495	Cetus.....	7	14 43.36	3.039	109 34 42.2	20.018	392
496	Andromeda ..	8½	14 44.11	3.113	63 1 51.1	20.018	573
497	Cetus.....	9	14 45.27	3.030	114 33 44.3	20.018	557
498	Cetus.....	9	14 46.56	3.061	95 47 44.6	20.018	135
499	Andromeda ..	7	14 46.97	3.128	56 4 10.1	20.018	389
500	Pisces.....	8	14 48.02	3.094	74 6 46.1	20.018	200
501	Andromeda ..	8½	14 49.58	3.118	61 0 53.2	20.018	307
502	Andromeda ..	8½	14 49.98	3.118	61 0 51.7	20.018	123
503	Andromeda ..	8	14 50.33	3.139	51 16 37.6	20.018	137
504	Andromeda ..	7½	14 50.38	3.139	51 16 43.4	20.018	477
505	Cassiopea	8	14 52.03	3.203	33 4 42.6	20.017	368
506	Cassiopea	8	14 54.25	3.189	36 6 54.5	20.017	373
507	Cetus.....	•	15 4.04	3.061	95 29 28.8	20.016	135
508	Andromeda ..	8½	15 5.19	3.132	54 37 28.6	20.016	126
509	Andromeda ..	9	15 6.18	3.133	54 19 53.4	20.016	126
510	Andromeda ..	8	15 7.30	3.127	56 59 29.8	20.016	349
511	Cassiopea	8½	15 7.65	3.170	41 27 12.0	20.016	304
512	Pisces.....	6	15 9.32	3.071	89 10 8.1	20.016	119
513	Pisces.....	6½	15 9.42	3.071	89 10 0.1	20.016	122
514	Andromeda ..	9½	15 9.93	3.119	61 2 29.7	20.016	124
515	Andromeda ..	9	15 13.56	3.119	61 8 38.3	20.015	307
516	Pisces.....	8	15 15.50	3.105	88 9 51.4	20.015	203
517	Cassiopea	8	15 17.11	3.194	35 37 8.1	20.015	373
518	Cetus.....	8	15 20.57	3.040	108 26 57.8	20.015	390
519	Andromeda ..	8	15 21.21	3.130	55 48 1.9	20.014	389
520	Andromeda ..	8½	15 21.28	+ 3.130	55 55 2.0	- 20.014	389

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521	Pisces.....	9	0 15 21,35	+3,105	68 24 12,6	-20,014	203
522	Cassiopea	7	15 22,16	3,201	34 19 38,5	20,014	370
523	Pisces.....	7	15 23,64	3,080	83 24 52,1	20,014	127
524	Pisces.....	7½	15 23,84	3,080	83 24 57,1	20,014	128
525	Pisces.....	8½	15 23,85	3,098	72 40 5,7	20,014	477
526	Cassiopea	9	15 27,96	3,300	21 21 10,3	20,014	374
527	Pisces.....	8	15 30,37	3,079	83 53 34,8	20,014	128
528	Cassiopea	8½	15 31,02	3,171	41 43 8,2	20,013	304
529	Cassiopea	8½	15 31,16	3,208	33 8 0,6	20,013	368
530	Andromeda ..	8½	15 34,78	3,118	62 9 56,3	20,013	24
531	Pisces.....	8	15 35,10	3,103	70 15 3,7	20,013	35
532	Andromeda ..	8	15 35,21	3,118	62 9 59,4	20,013	573
533	Cetus.....	8	15 37,56	3,031	112 44 30,3	20,013	391
534	Pisces.....	8½	15 39,57	3,074	87 11 4,0	20,013	118
535	Cassiopea	7	15 39,96	3,167	43 4 9,5	20,012	304
536	Pisces.....	6	15 40,45	3,101	70 57 39,8	20,012	35
537	Cetus.....	8½	15 41,89	3,054	99 27 28,7	20,012	192
538	Pisces.....	8½	15 42,25	3,071	89 9 30,1	20,012	122
539	Pisces.....	9	15 42,39	3,071	89 1 27,8	20,012	119
540	Sculptor.....	7½	15 43,72	3,019	118 49 10,9	20,012	561
541	Cassiopea	7	15 47,18	3,204	34 28 6,4	20,012	370
542	Pisces.....	7½	15 49,05	3,099	72 31 56,5	20,012	477
543	Pisces.....	7½	15 56,72	3,110	66 22 23,2	20,011	29
544	Cetus.....	9	15 58,24	3,049	102 29 1,7	20,011	244
545	Andromeda ..	8½	15 59,73	3,166	44 1 28,4	20,011	248
546	Pisces.....	7½	16 0,63	3,074	87 16 57,2	20,011	118
547	Andromeda ..	8½	16 2,88	3,148	49 55 20,9	20,010	477
548	Andromeda ..	8½	16 9,75	3,133	56 10 39,2	20,010	389
549	Andromeda ..	7	16 9,92	3,131	56 55 26,7	20,010	349
550	Cassiopea	9	16 11,24	3,229	30 36 27,9	20,010	372
551	Cetus.....	8	16 11,54	3,030	112 46 57,9	20,010	391
552	Cetus.....	6½	16 15,50	3,036	109 48 4,9	20,009	250
553	Cetus.....	6½	16 15,57	3,036	109 48 11,9	20,009	392
554	Andromeda ..	8½	16 21,74	3,116	63 55 2,4	20,008	27
555	Cetus.....	6½	16 22,45	3,068	91 9 26,8	20,008	131
556	Pisces.....	8	16 26,81	3,111	66 28 38,4	20,008	29
557	Andromeda ..	9	16 27,65	3,125	60 8 40,4	20,008	307
558	Cassiopea	7	16 27,99	3,180	41 7 23,6	20,008	305
559	Cassiopea	7½	16 28,30	3,180	41 7 17,4	20,008	306
560	Andromeda ..	9	0 16 28,44	+3,125	60 8 38,8	-20,008	124

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561	Andromeda ..	8	16 33.43	+3,144	52 19 43.5	-20,007	137
562	Pisces.....	8	16 33.74	3,084	81 47 24.8	20,007	127
563	Pisces.....	9	16 34.74	3,085	80 57 31.3	20,007	40
564	Andromeda ..	9	16 35.39	3,121	62 2 47.3	20,007	573
565	Pisces.....	9	16 37.01	3,099	73 12 9.9	20,007	200
566	Pisces.....	6	16 37.01	3,113	56 3 56.8	20,007	29
567	Andromeda ..	7½	16 37.68	3,126	59 55 52.2	20,007	307
568	Andromeda ..	7½	16 38.21	3,126	59 55 50.6	20,006	124
569	Pisces.....	8½	16 42.06	3,080	83 59 9.0	20,006	128
570	Cassiopea	8	16 44.29	3,223	32 33 16.9	20,006	368
571	Cetus.....	9	16 47.03	3,060	95 31 20.8	20,006	135
572	Andromeda ..	9½	16 51.22	3,145	52 36 40.7	20,005	137
573	Cetus.....	8	16 52.88	3,059	96 6 39.5	20,005	135
574	Andromeda ..	8	16 54.14	3,126	60 12 54.9	20,005	124
575	Pisces.....	9½	16 54.74	3,084	81 56 42.2	20,005	127
576	Cetus.....	8	16 57.25	3,050	100 58 50.2	20,005	244
577	Andromeda ..	8	16 58.89	3,116	64 49 28.7	20,005	27
578	Andromeda ..	9	17 2.51	3,176	43 4 30.7	20,004	248
579	Pisces.....	7½	17 4.84	3,073	88 17 34.5	20,004	122
580	Cassiopea	8	17 5.63	3,197	38 8 58.6	20,004	306
581	Pisces.....	6½	17 7.89	3,096	75 4 59.7	20,004	37
582	Pisces.....	7	17 8.12	3,096	75 4 58.2	20,004	200
583	Cetus.....	8	17 9.71	3,052	99 45 39.9	20,004	192
584	Andromeda ..	8	17 10.61	3,135	57 4 17.9	20,003	389
585	Cetus.....	6	17 12.65	3,018	116 39 18.4	20,003	559
586	Cassiopea	9	17 13.21	3,209	35 51 44.2	20,003	373
587	Pisces.....	9	17 16.08	3,080	83 52 24.8	20,003	128
588	Pisces.....	8	17 17.74	3,108	69 0 41.2	20,002	203
589	Andromeda ..	7½	17 20.02	3,121	62 55 56.1	20,002	573
590	Andromeda ..	9	17 21.39	3,152	50 53 27.0	20,002	477
591	Andromeda ..	9½	17 23.37	3,148	52 8 58.3	20,002	137
592	Pisces.....	8½	17 27.04	3,112	67 32 3.8	20,001	203
593	Cetus.....	8	17 30.38	3,037	107 31 4.9	20,001	249
594	Cetus.....	8	17 30.77	3,037	107 31 7.1	20,001	390
595	Andromeda ..	4½	17 31.57	3,166	46 42 45.2	20,001	11
596	Andromeda ..	4½	17 31.84	3,166	46 42 52.8	20,001	3
597	Cetus.....	8	17 32.21	3,030	111 14 31.5	20,001	250
598	Andromeda ..	6	17 32.23	3,166	46 42 44.1	20,001	308
599	Cetus.....	7	17 32.28	3,030	111 14 32.5	20,001	392
600	Pisces.....	6½	17 34.69	+3,104	71 35 32.1	-20,000	477

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601	Pisces.....	6	17 38,51	+3,101	73 12 58,0	-20,000	200
602	Pisces.....	5	17 38,69	3,101	73 12 55,6	20,000	477
603	Cassiopea	9	17 44,06	3,202	38 4 9,5	20,000	306
604	Pisces.....	8	17 44,78	3,099	74 23 30,4	20,000	200
605	Pisces.....	8	17 46,19	3,107	70 18 39,9	20,000	35
606	Andromeda ..	9	17 46,39	3,154	50 49 31,9	19,999	477
607	Cassiopea	7½	17 46,67	3,179	43 22 50,9	19,999	248
608	Andromeda ..	8	17 48,42	3,122	63 2 50,5	19,999	24
609	Andromeda ..	7½	17 48,66	3,122	63 2 45,2	19,999	573
610	Pisces.....	6½	17 50,42	3,098	74 39 43,5	19,999	200
611	Cetus	8	17 51,48	3,046	102 45 57,9	19,999	244
612	Andromeda ..	8	17 53,36	3,129	60 12 48,4	19,999	307
613	Andromeda ..	7	17 56,50	3,137	57 18 29,1	19,998	389
614	Andromeda ..	6½	17 56,63	3,133	58 40 15,5	19,998	349
615	Andromeda ..	7	17 56,90	3,137	57 18 59,1	19,998	349
616	Cassiopea	8	17 58,53	3,226	33 53 49,7	19,998	370
617	Pisces.....	6½	18 0,24	3,086	80 54 23,7	19,998	127
618	Andromeda ..	8½	18 0,42	3,152	52 1 5,2	19,998	137
619	Pisces.....	6½	18 0,51	3,086	80 54 22,3	19,998	40
620	Andromeda ..	7½	18 4,38	3,136	57 28 34,3	19,997	349
621	Andromeda ..	7½	18 6,40	3,137	57 28 30,3	19,997	389
622	Andromeda ..	8½	18 6,52	3,162	48 42 55,9	19,997	3
623	Andromeda ..	9	18 6,76	3,162	48 43 23,6	19,997	308
624	Cassiopea	7½	18 12,38	3,185	42 41 37,1	19,996	305
625	Cassiopea	8	18 14,41	3,242	31 38 15,9	19,996	368
626	Cetus	6½	18 18,84	3,028	111 26 14,0	19,995	392
627	Cassiopea	6½	18 18,88	3,495	14 5 54,7	19,995	351
628	Cetus	7	18 18,90	3,028	111 26 5,9	19,995	250
629	Cetus	6½	18 18,91	3,028	111 26 15,8	19,995	391
630	Cetus	9	18 19,52	3,022	113 57 46,5	19,995	557
631	Andromeda ..	7	18 21,60	3,147	54 12 23,2	19,995	126
632	Cetus	9	18 28,43	3,050	100 30 42,8	19,995	192
633	Cassiopea	8½	18 28,91	3,264	29 2 35,3	19,995	372
634	Cassiopea	9	18 31,44	3,220	35 44 47,1	19,994	373
635	Cetus	7	18 32,90	3,046	102 20 41,0	19,994	244
636	Pisces.....	8½	18 32,94	3,083	82 43 16,1	19,994	127
637	Andromeda ..	9	18 37,66	3,152	52 48 38,8	19,993	137
638	Andromeda ..	8	18 45,10	3,161	50 15 42,3	19,992	477
639	Cetus	7	18 48,91	3,017	115 44 44,6	19,992	559
640	Cassiopea	8	18 50,19	+3,232	34 4 32,8	-19,992	370

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641	Andromeda ..	7½	h m s 0 18 50,28	+ 3,127	62 16 44,5	- 19,992	573
642	Cassiopea	8½	18 52,24	3,247	31 50 51,1	19,992	368
643	Andromeda ..	8½	18 56,10	3,122	64 36 39,4	19,991	27
644	Cetus	8	19 1,68	3,045	102 42 24,6	19,990	244
645	Pisces.....	7½	19 3,72	3,119	66 13 19,9	19,990	29
646	Cetus	8	19 6,08	3,056	97 0 12,8	19,990	135
647	Cetus	8½	19 6,97	3,037	106 10 27,9	19,990	249
648	Cetus	8½	19 7,36	3,056	96 44 30,1	19,990	135
649	Sculptor.....	9	19 8,05	3,010	118 7 7,1	19,989	561
650	Andromeda ..	9½	19 9,12	3,150	54 16 0,2	19,989	126
651	Cetus	9½	19 9,88	3,055	97 37 17,3	19,989	187
652	Andromeda ..	8	19 11,07	3,132	60 56 45,1	19,989	307
653	Andromeda ..	8	19 11,49	3,132	60 56 45,5	19,989	124
654	Pisces.....	8	19 11,80	3,088	80 43 16,1	19,989	40
655	Cassiopea	6½	19 15,23	3,255	31 7 45,3	19,989	368
656	Andromeda ..	8	19 15,71	3,155	52 46 40,8	19,988	137
657	Cassiopea	7	19 16,38	3,256	31 7 45,3	19,988	372
658	Cetus	9½	19 25,90	3,060	95 7 7,2	19,988	133
659	Andromeda ..	9	19 27,11	3,182	45 9 15,2	19,987	248
660	Cassiopea	8	19 29,77	3,361	21 18 57,0	19,987	374
661	Pisces.....	8½	19 31,47	3,087	81 24 25,2	19,987	127
662	Andromeda ..	6	19 35,98	3,132	61 21 6,6	19,986	573
663	Andromeda ..	9	19 36,46	3,148	55 27 44,6	19,986	389
664	Cetus .....	.	19 38,94	3,065	92 13 6,9	19,986	187
665	Cetus	7½	19 39,66	3,065	92 13 7,1	19,986	131
666	Cetus	6	19 42,85	3,037	105 58 8,8	19,985	249
667	Cassiopea	8½	19 45,38	3,240	34 2 17,1	19,985	370
668	Cetus	8½	19 49,53	3,057	96 12 20,7	19,984	135
669	Cetus	6	19 50,01	3,059	95 3 50,1	19,984	133
670	Pisces.	7	19 51,98	3,077	86 14 46,3	19,984	118
671	Pisces.....	7½	19 55,38	3,100	75 18 39,9	19,984	37
672	Pisces.....	8	19 55,58	3,100	75 18 49,5	19,984	200
673	Andromeda ..	7	19 55,88	3,140	58 55 44,2	19,984	307
674	Andromeda ..	7½	19 56,46	3,140	58 55 40,8	19,983	349
675	Andromeda ..	7½	19 56,96	3,129	63 1 52,4	19,983	24
676	Andromeda ..	8	19 57,15	3,129	63 1 56,0	19,983	27
677	Cetus	9	19 58,69	3,048	100 20 25,2	19,983	192
678	Cassiopea	7½	19 59,29	3,192	43 34 27,1	19,983	248
679*	Pisces.....	9½	20 0,03	3,116	68 19 34,6	19,983	203
680	Andromeda ..	8½	0 20 2,25	+ 3,119	66 59 58,0	- 19,983	29

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681	Cassiopea	7½	0	20	2,62	+3,325	24	35	12,1	-19,983	368
682	Andromeda ..	9		20	3,51	3,135	60	55	46,5	19,983	124
683	Cassiopea	7		20	4,04	3,234	35	23	57,7	19,983	373
684	Cassiopea	8½		20	4,63	3,245	33	44	27,7	19,983	370
685	Andromeda ..	9		20	5,07	3,189	44	31	14,8	19,983	248
686	Andromeda ..	7		20	6,86	3,140	58	58	9,2	19,983	307
687	Andromeda ..	7½		20	7,54	3,140	58	58	13,8	19,982	349
688	Cetus	9		20	12,33	3,054	97	22	17,8	19,982	135
689	Cassiopea	8		20	12,63	3,206	40	51	14,0	19,982	306
690	Andromeda ..	7½		20	12,75	3,170	49	34	56,6	19,982	477
691	Andromeda ..	8		20	13,76	3,135	61	3	34,3	19,982	573
692	Andromeda ..	9		20	13,97	3,135	61	3	29,6	19,982	124
693	Andromeda ..	8½		20	14,67	3,171	49	26	29,4	19,981	477
694	Pisces.....	9		20	15,15	3,074	87	50	23,6	19,981	122
695	Cetus	9		20	16,54	3,067	91	28	43,5	19,981	131
696	Cetus	8½		20	17,85	3,033	107	1	34,2	19,981	390
697	Andromeda ..	9		20	20,40	3,177	47	43	37,9	19,981	308
698	Cetus	5½		20	21,63	3,015	114	53	41,9	19,980	557
699	Cetus	5½		20	21,98	3,015	114	53	46,0	19,980	559
700	Andromeda ..	8		20	22,55	3,134	61	34	46,8	19,980	573
701	Andromeda ..	8		20	24,05	3,147	56	55	19,8	19,980	389
702	Pisces.....	7½		20	24,30	3,102	75	4	13,6	19,980	37
703	Pisces.....	7		20	24,65	3,101	75	4	5,2	19,980	200
704	Cassiopea	9		20	27,43	3,349	23	6	32,9	19,980	374
705	Andromeda ..	7½		20	29,77	3,180	47	9	31,9	19,979	120
706	Andromeda ..	6		20	30,06	3,166	51	9	44,5	19,979	3
707	Cetus	8		20	31,50	3,027	109	43	37,4	19,979	250
708*	Cetus	7½		20	31,61	3,047	100	30	48,9	19,979	192
709	Cetus	8		20	31,63	3,027	109	43	41,5	19,979	392
710	Pisces.....	9		20	42,06	3,107	72	45	56,9	19,978	477
711	Andromeda ..	9		20	43,45	3,164	52	5	36,3	19,977	137
712	Pisces.....	8		20	45,34	3,087	81	47	56,8	19,977	127
713	Andromeda ..	8		20	46,44	3,164	52	7	32,3	19,977	137
714	Cassiopea	6		20	48,06	3,223	38	15	56,6	19,977	306
715	Cassiopea	5		20	48,18	3,233	36	34	56,1	19,977	306
716	Cassiopea	6½		20	48,44	3,223	38	15	59,1	19,977	369
717	Andromeda ..	6		20	50,30	3,147	57	31	24,3	19,977	349
718	Cetus	8		20	51,26	3,046	101	11	28,2	19,977	244
719	Andromeda ..	6		20	51,73	3,147	57	31	53,3	19,977	389
720	Cetus	7½	0	20	52,35	+3,046	101	11	20,4	19,977	192

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721	Andromeda ..	9	0 20 54.52	+3,166	51 46 31.0	-19,976	137
722	Cetus	9½	20 56.73	3,046	101 11 21.2	19,976	244
723	Cetus	9	20 57.35	3,045	101 11 11.4	19,976	192
724	Andromeda ..	7	21 1.19	3,191	45 10 36.2	19,975	11
725	Andromeda ..	7	21 1.20	3,191	45 10 44.2	19,975	248
726	Cassiopea	8	21 3.90	3,204	42 26 55.8	19,975	305
727	Pisces.....	7	21 4.73	3,114	70 16 30.9	19,975	35
728	Cassiopea	9	21 5.09	3,244	35 6 46.4	19,975	373
729	Pisces.....	8	21 5.82	3,114	69 59 44.5	19,975	35
730	Pisces.....	8	21 10.08	3,092	79 34 18.5	19,974	41
731	Pisces.....	7½	21 10.36	3,092	79 34 17.8	19,974	39
732	Pisces.....	9	21 10.66	3,122	67 1 10.3	19,974	203
733	Andromeda ..	9	21 10.93	3,195	44 31 21.8	19,974	248
734	Cetus	9	21 11.47	3,030	107 53 51.6	19,974	390
735	Cassiopea	8½	21 11.89	3,227	38 6 13.4	19,974	306
736	Andromeda ..	8½	21 12.18	3,159	54 8 15.1	19,974	126
737	Pisces.....	7½	21 12.80	3,103	75 5 0.6	19,974	38
738	Pisces.....	7½	21 12.83	3,103	75 4 56.2	19,974	200
739	Pisces.....	7½	21 18.54	3,087	81 56 40.0	19,973	127
740	Andromeda ..	•	21 24.22	3,140	60 34 57.8	19,972	307
741	Andromeda ..	8	21 25.62	3,134	62 35 35.8	19,972	573
742	Pisces.....	7½	21 26.26	3,108	72 59 42.2	19,972	477
743	Pisces.....	8½	21 26.37	3,075	87 20 55.7	19,972	122
744	Pisces.....	9	21 28.81	3,108	73 10 1.5	19,972	477
745	Pisces.....	8½	21 33.04	3,078	86 15 28.4	19,971	118
746	Cetus	9½	21 37.50	3,067	91 16 36.0	19,970	131
747	Andromeda ..	7	21 37.66	3,154	56 6 40.1	19,970	389
748	Cassiopea	8½	21 40.84	3,221	39 55 5.2	19,970	306
749	Pisces.....	8½	21 40.84	3,076	87 14 32.5	19,970	122
750	Andromeda ..	6½	21 41.75	3,185	47 36 40.7	19,970	3
751	Andromeda ..	6½	21 42.66	3,185	47 36 35.9	19,970	308
752	Cetus	8½	21 45.35	3,053	97 25 16.6	19,969	187
753	Andromeda ..	9	21 47.30	3,150	57 39 12.5	19,969	349
754	Pisces.....	9½	21 51.28	3,121	67 59 41.2	19,968	203
755	Cetus	9	21 52.52	3,056	96 16 52.9	19,968	135
756	Cetus	8½	21 59.08	3,039	103 23 55.2	19,967	247
757	Andromeda ..	8½	21 59.58	3,185	47 53 5.1	19,967	308
758	Andromeda ..	8½	22 0.08	3,135	62 54 36.1	19,967	573
759	Cetus	9	22 0.31	3,025	109 19 35.6	19,967	390
760	Cetus	7½	22 0.42	+3,025	109 19 35.7	-19,967	392

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761	Andromeda ..	6	22	3	46	+3,134	63	31	26.7	19,967	27
762	Andromeda ..	7	22	3	87	3,169	52	15	38.4	19,966	137
763	Pisces.....	6	22	5	50	3,083	84	9	1.2	19,966	128
764	Cassiopea	8½	22	8	80	3,220	40	36	43.8	19,966	306
765	Cassiopea	7	22	9	15	3,246	36	12	29.4	19,966	373
766	Pisces.....	7½	22	9	51	3,122	67	54	49.2	19,966	203
767	Andromeda ..	8	22	13	97	3,160	55	14	50.4	19,965	389
768	Andromeda ..	8	22	14	54	3,160	55	14	43.0	19,965	126
769	Andromeda ..	5½	22	16	98	3,136	62	49	30.7	19,965	27
770	Andromeda ..	6½	22	17	16	3,136	62	49	30.1	19,965	24
771	Andromeda ..	6½	22	17	52	3,136	62	49	31.0	19,965	573
772	Cetus.....	7½	22	20	61	3,007	115	45	12.1	19,964	559
773	Cassiopea	9	22	23	36	3,291	30	33	26.7	19,964	372
774	Andromeda ..	8	22	27	47	3,154	57	15	33.1	19,963	389
775	Cetus.....	8½	22	30	86	3,024	109	12	59.9	19,963	392
776	Pisces.....	7½	22	31	56	3,105	74	56	18.0	19,963	200
777	Pisces.....	8	22	31	83	3,105	74	56	22.4	19,963	38
778	Pisces.....	7½	22	34	57	3,111	72	42	24.8	19,962	477
779	Cetus.....	9	22	35	54	3,066	91	32	58.6	19,962	131
780	Andromeda ..	9	22	36	20	3,153	57	40	24.5	19,962	349
781	Cassiopea	8½	22	36	39	3,209	43	27	21.0	19,962	248
782	Cetus.....	8½	22	38	18	3,035	104	35	32.9	19,962	247
783	Andromeda ..	9	22	38	72	3,166	53	55	22.9	19,962	126
784	Pisces.....	8½	22	39	06	3,108	73	59	25.9	19,962	200
785	Cetus.....	7	22	40	43	3,004	116	27	42.0	19,961	559
786	Cetus.....	8	22	43	17	3,066	91	42	43.5	19,961	119
787	Cassiopea	9	22	43	63	3,222	40	59	25.1	19,961	306
788	Andromeda ..	7½	22	48	68	3,177	51	0	0.1	19,960	477
789	Andromeda ..	8	22	48	91	3,177	51	0	0.4	19,960	137
790	Pisces.....	8	22	49	68	3,110	73	8	42.5	19,960	477
791	Cassiopea	7½	22	53	91	3,364	24	21	14.7	19,960	368
792	Pisces.....	9	22	55	14	3,100	77	15	57.7	19,959	39
793	Andromeda ..	8	22	55	27	3,177	51	13	13.3	19,959	477
794	Andromeda ..	8½	22	55	97	3,177	51	13	15.6	19,959	137
795	Cassiopea	9	22	56	54	3,406	21	40	15.3	19,959	374
796	Cassiopea	8½	22	58	19	3,253	36	10	27.4	19,959	373
797	Cetus.....	8	22	59	53	3,058	94	57	8.9	19,959	133
798	Cetus.....	9	22	59	82	3,043	101	5	25.1	19,959	192
799	Cassiopea	8½	23	0	71	3,291	31	12	24.3	19,959	368
800	Cassiopea	8	23	1	00	+3,377	23	35	13.8	-19,958	369

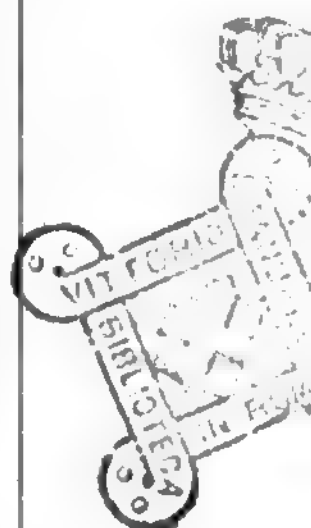
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801	Andromeda ..	8	23 2,67	+3,193	47 26 19,7	-19,958	308
802	Andromeda ..	8	23 2,81	3,193	47 26 21,5	19,958	3
803	Pisces.....	9	23 9,49	3,125	67 50 56,2	19,958	203
804	Cassiopea	7½	23 11,64	3,249	37 2 12,4	19,957	306
805	Pisces.....	8½	23 13,15	3,117	70 40 12,3	19,957	35
806	Cetus.....	7½	23 15,58	3,066	91 42 44,1	19,956	131
807	Andromeda ..	8	23 16,54	3,191	48 5 1,2	19,956	308
808	Andromeda ..	9	23 21,47	3,131	65 39 24,1	19,956	29
809	Pisces.....	9	23 22,52	3,079	86 9 30,3	19,956	118
810	Cetus.....	9½	23 25,92	3,060	93 50 23,2	19,955	133
811	Andromeda ..	8½	23 27,11	3,194	47 44 53,1	19,954	308
812	Pisces.....	9½	23 27,82	3,085	83 24 50,2	19,954	128
813	Cetus.....	8	23 28,35	3,066	91 27 20,5	19,954	131
814	Cassiopea	7½	23 30,54	3,215	43 11 32,8	19,954	248
815	Cassiopea	7½	23 30,67	3,216	43 11 31,4	19,954	305
816	Pisces.....	7½	23 30,88	3,113	72 18 45,2	19,954	477
817	Cassiopea	9	23 32,29	3,217	43 1 5,7	19,954	248
818	Cassiopea	9	23 34,07	3,421	21 22 3,0	19,954	374
819	Andromeda ..	7½	23 34,86	3,151	59 27 34,7	19,954	307
820	Andromeda ..	8	23 34,96	3,151	59 27 28,2	19,954	124
821	Andromeda ..	8	23 35,41	3,151	59 27 34,3	19,954	349
822	Pisces.....	8	23 38,17	3,075	87 47 0,5	19,953	122
823	Cassiopea	9	23 38,67	3,236	39 39 12,9	19,953	306
824	Cetus.....	8	23 38,95	2,999	117 11 47,3	19,953	559
825	Cassiopea	9	23 44,69	3,229	40 52 51,0	19,952	306
826	Sculptor.....	5½	23 46,24	2,988	120 39 41,3	19,952	561
827	Pisces.....	7½	23 49,67	3,092	80 47 43,3	19,951	41
828	Pisces.....	8½	23 50,32	3,081	85 8 56,6	19,951	118
829	Pisces.....	8	23 50,36	3,081	85 8 50,7	19,951	128
830	Cetus.....	9½	23 50,47	3,050	98 11 49,4	19,951	187
831	Pisces.....	8	24 0,50	3,112	73 1 12,3	19,949	478
832	Cassiopea	9	24 7,81	3,270	35 1 15,0	19,949	370
833	Pisces.....	9	24 11,24	3,089	82 1 12,2	19,948	127
834	Cassiopea	9	24 14,48	3,242	39 15 29,2	19,948	369
835	Cassiopea	8	24 14,71	3,242	39 15 33,6	19,948	306
836	Andromeda ..	8	24 15,52	3,189	49 43 57,7	19,947	477
837	Cetus.....	7½	24 17,14	3,056	95 39 0,3	19,947	135
838	Andromeda ..	7½	24 17,20	3,167	55 26 31,5	19,947	389
839	Andromeda ..	8	24 17,67	3,195	48 24 10,6	19,947	308
840	Cetus.....	7½	0 24 18,49	+3,051	97 36 11,3	-19,947	187

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841	Andromeda ..	8	24 18,87	+3,195	48 24 20,5	-19,947	3
842	Cassiopea	9	24 24,03	3,308	30 48 31,9	19,946	372
843	Cassiopea	7	24 24,90	3,259	36 54 8,4	19,946	306
844	Pisces.....	8½	24 25,16	3,115	72 12 31,0	19,946	478
45	Cassiopea	8	24 25,33	3,259	36 54 1,0	19,946	373
846	Pisces.....	9	24 26,43	3,127	68 12 3,5	19,946	203
847	Pisces.....	8½	24 27,66	3,115	72 12 11,0	19,945	478
848	Andromeda ..	8½	24 28,25	3,198	48 2 40,3	19,945	308
849	Andromeda ..	7	24 29,82	3,172	54 16 14,2	19,945	126
850	Andromeda ..	8	24 31,23	3,205	46 27 46,6	19,945	11
851	Pisces.....	7	24 33,00	3,101	77 43 45,3	19,945	39
852	Cassiopea	7½	24 33,86	3,255	37 36 54,0	19,944	306
853	Cassiopea	9	24 36,18	3,435	21 24 54,0	19,944	374
854	Pisces.....	9	24 38,80	3,125	68 54 37,2	19,943	203
855	Cetus.....	9½	24 40,67	3,044	99 58 53,0	19,943	192
856	Cetus.....	9	24 42,73	3,064	92 24 42,7	19,943	131
857	Andromeda ..	9	24 43,57	3,150	60 53 5,5	19,943	124
858	Andromeda ..	9	24 43,61	3,150	60 53 3,1	19,943	307
859	Cassiopea	9	24 46,78	3,430	21 49 18,4	19,942	374
860	Pisces.....	9	24 48,92	3,086	83 22 59,2	19,942	128
861	Andromeda ..	8½	24 50,63	3,188	50 39 4,7	19,942	477
862	Andromeda ..	8½	24 53,30	3,134	65 59 55,6	19,941	29
863	Andromeda ..	9	24 53,65	3,173	54 31 23,4	19,941	126
864	Cassiopea	7	24 54,41	3,230	42 4 57,3	19,941	305
865	Cetus.....	6	24 57,14	3,058	94 41 40,3	19,941	133
866	Cetus.....	6½	24 57,27	3,058	94 41 43,7	19,941	135
867	Pisces.....	8	24 58,94	3,078	86 48 31,7	19,940	122
868	Andromeda ..	8	25 0,42	3,166	56 37 22,6	19,940	389
869	Cassiopea	6½	25 4,82	3,264	36 56 7,1	19,939	373
870	Cassiopea	8½	25 5,54	3,288	33 48 46,7	19,939	370
871	Cetus.....	8	25 5,75	2,994	117 13 56,1	19,939	561
872	Andromeda ..	9	25 6,97	3,141	63 49 51,1	19,939	27
873	Andromeda ..	9½	25 9,25	3,181	52 44 49,9	19,939	137
874	Cassiopea	7	25 10,34	3,314	30 56 39,8	19,939	368
875	Cassiopea	6	25 11,09	3,316	30 46 41,9	19,938	371
876	Pisces.....	8	25 12,00	3,078	86 48 31,4	19,938	118
877	Pisces.....	8	25 12,09	3,077	87 0 38,2	19,938	122
878	Andromeda ..	8½	25 13,78	3,167	56 30 14,5	19,938	389
879	Andromeda ..	8	25 16,89	3,148	61 51 58,1	19,937	573
880	Cetus.....	6	0 25 16,95	+3,066	91 36 19,9	-19,937	131

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881	Andromeda ..	8	25 18,33	+3,148	62 5 9,2	-19,937	573
882	Pisces.....	8	25 20,19	3,125	69 19 47,6	19,937	203
883	Cassiopea	7½	25 21,21	3,230	42 32 52,8	19,937	305
884	Andromeda ..	7	25 23,77	3,182	52 51 6,9	19,937	137
885	Andromeda ..	8	25 24,56	3,151	61 5 11,3	19,937	307
886	Andromeda ..	8	25 25,02	3,151	61 5 8,6	19,936	124
887	Pisces.....	7½	25 25,49	3,111	74 31 34,5	19,936	200
888	Cetus.....	8½	25 26,98	2,997	115 57 28,3	19,936	559
889	Cassiopea	9	25 27,20	3,282	34 57 40,9	19,936	370
890	Andromeda ..	8	25 29,78	3,211	46 27 54,2	19,936	120
891	Cassiopea	9	25 32,11	3,321	30 35 17,6	19,935	372
892	Pisces.....	7	25 34,37	3,102	77 53 10,6	19,935	39
893	Cetus.....	9	25 35,14	3,064	92 0 4,7	19,935	131
894	Cetus.....	8½	25 35,68	2,995	116 30 4,9	19,935	559
895	Pisces.....	8½	25 38,33	3,087	83 29 39,4	19,934	128
896	Pisces.....	7½	25 39,46	3,133	67 4 42,1	19,934	29
897	Andromeda ..	9	25 43,84	3,169	56 22 32,5	19,933	389
898	Pisces.....	8	25 44,04	3,086	83 56 46,1	19,933	128
899	Andromeda ..	8½	25 45,18	3,165	57 27 24,3	19,933	349
900	Andromeda ..	6	25 46,81	3,143	63 50 47,2	19,933	27
901	Andromeda ..	6	25 47,35	3,143	63 50 45,4	19,932	24
902	Cassiopea .. ζ	4	25 53,44	3,268	37 12 18,5	19,932	306
903	Cassiopea .. ζ	4	25 53,90	3,268	37 12 22,2	19,932	373
904	Andromeda ..	.	25 56,05	3,152	61 15 44,5	19,931	573
905	Andromeda ..	8	25 56,58	3,152	61 15 41,4	19,931	307
906	Andromeda ..	8	25 56,79	3,153	61 15 38,8	19,931	124
907	Andromeda ..	7	25 57,73	3,213	46 36 58,3	19,931	120
908	Andromeda ..	8	25 58,25	3,127	69 4 8,4	19,931	203
909	Andromeda ..	6	25 58,40	3,213	46 36 57,8	19,931	11
910	Pisces.....	.	25 58,83	3,125	70 1 33,5	19,931	35
911	Cetus.....	6½	25 59,46	3,026	106 4 27,5	19,931	249
912	Cassiopea	5½	26 4,29	3,272	36 56 8,3	19,930	306
913	Pisces.....	8	26 4,34	3,090	82 13 37,5	19,930	127
914	Cetus.....	8	26 5,90	3,009	111 51 50,1	19,930	391
915	Cassiopea	8	26 8,47	3,421	23 27 9,7	19,929	369
916	Cetus.....	6	26 8,98	3,002	113 56 38,7	19,929	557
917	Pisces.....	9	26 9,37	3,103	77 49 45,6	19,929	39
918	Andromeda ..	7½	26 10,91	3,144	64 2 55,5	19,929	27
919	Andromeda ..	7½	26 11,22	3,144	64 0 28,7	19,929	24
920	Andromeda π	4½	0 26 14,47	+3,167	57 23 4,2	-19,928	349

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921	Andromeda ..	9	h m s 0 26 14.63	+3,167	57 23 40.2	-19,928	349
922	Andromeda ..	4½	26 14.76	3,167	57 23 0.4	19,928	389
923	Cetus	6	26 16.91	3,065	91 36 17.3	19,928	119
924	Cassiopea	8½	26 20.84	3,316	31 55 59.1	19,927	368
925	Pisces	5½	26 23.11	3,108	75 52 16.7	19,927	38
926	Pisces.....	8	26 26.51	3,129	68 47 51.1	19,926	203
927	Andromeda ..	8	26 26.95	3,160	59 36 55.3	19,926	124
928	Andromeda ..	6	26 37.21	3,135	67 5 11.1	19,925	29
929	Pisces.....	9	26 38.48	3,081	85 41 17.5	19,925	118
930	Andromeda ..	7	26 40.90	3,197	50 46 9.7	19,924	477
931	Andromeda ..	6	26 41.07	3,176	55 42 4.4	19,924	126
932	Pisces.....	8	26 43.16	3,109	75 57 19.8	19,923	38
933	Cetus	9	26 44.78	3,057	94 30 7.9	19,923	133
934	Cetus	8	26 45.75	3,049	97 39 34.6	19,923	187
935	Sculptor.....	9	26 46.06	2,988	118 22 49.5	19,923	561
936	Cetus .....	.	26 47.77	3,050	97 12 18.6	19,922	135
937	Sculptor.....	8½	26 47.84	2,985	118 31 23.9	19,922	561
938	Cetus	8½	26 49.33	2,995	115 35 56.2	19,922	559
939	Pisces.....	9	26 53.02	3,113	74 35 11.6	19,922	200
940	Cetus	9	26 53.23	2,996	115 14 10.0	19,921	559
941	Andromeda ..	8	26 54.62	3,208	48 34 40.6	19,921	3
942	Andromeda ..	8	26 54.95	3,208	48 34 38.7	19,921	308
943	Pisces.....	8	26 55.68	3,095	79 39 55.7	19,921	41
944	Cassiopea	8	26 56.37	3,234	43 35 46.2	19,921	248
945	Andromeda ..	9	26 58.49	3,209	48 23 23.6	19,921	308
946	Cassiopea	8	26 58.61	3,239	42 48 28.0	19,920	305
947	Cassiopea	7	26 59.82	3,234	43 41 21.2	19,920	248
948	Cassiopea	8	27 2.50	3,687	14 18 44.5	19,920	351
949	Cetus	6	27 3.14	2,993	115 52 5.9	19,920	557
950	Cetus	5½	27 3.18	2,993	115 52 7.9	19,920	559
951	Andromeda ..	8½	27 4.24	3,201	50 13 53.2	19,920	477
952	Pisces.....	8½	27 6.80	3,132	68 25 39.8	19,919	203
953	Andromeda ..	8½	27 12.80	3,144	64 58 48.8	19,918	27
954	Pisces.....	6½	27 13.16	3,075	87 57 47.9	19,918	122
955	Cassiopea	8½	27 13.27	3,336	30 46 40.8	19,918	72
956	Andromeda ..	8½	27 14.92	3,165	58 53 6.2	19,918	307
957	Cetus	9	27 22.47	3,010	110 40 8.8	19,916	392
958	Cassiopea	8	27 22.74	3,261	39 49 50.0	19,916	306
959	Pisces.....	9	27 22.78	3,089	83 4 48.8	19,916	128
960	Cassiopea	7½	0 27 28.66	+3,333	31 16 33.3	-19,915	368

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961	Cetus.....	8	0 27 29,91	+3,041	100 10 26,7	-19,915	192
962	Pisces.....	8½	27 30,86	3,132	68 36 23,9	19,915	203
963*	Andromeda ..	9	27 34,30	3,186	54 1 59,0	19,915	126
964	Andromeda ..	8½	27 38,64	3,204	50 7 0,0	19,914	477
965	Cassiopea	8½	27 41,81	3,264	39 42 31,9	19,913	306
966	Andromeda ..	8½	27 43,26	3,191	53 4 52,1	19,913	137
967	Pisces.....	8	27 44,51	3,074	88 20 19,6	19,913	122
968	Cetus.....	.	27 46,00	3,050	97 5 56,3	19,912	135
969	Cetus.....	8½	27 46,06	3,050	97 6 0,8	19,912	187
970	Pisces.....	8	27 46,90	3,094	81 16 16,1	19,912	127
971	Cassiopea	6	27 47,25	3,236	44 8 43,6	19,912	248
972*	Cetus.....	7½	27 51,27	3,065	91 36 15,3	19,911	119
973	Cetus.....	7	27 51,52	3,065	91 36 19,0	19,911	131
974	Pisces.....	8	27 52,54	3,124	71 23 43,9	19,911	478
975	Andromeda ..	8	28 0,00	3,186	54 30 29,4	19,910	126
976	Andromeda . s	4	28 0,89	3,157	61 46 35,0	19,910	573
977	Cassiopea	6	28 10,75	3,255	41 34 46,7	19,908	305
978	Andromeda ..	9	28 12,76	3,222	47 12 5,6	19,908	308
979	Sculptor.....	8	28 12,96	2,980	118 37 23,9	19,908	561
980	Andromeda ..	9	28 13,32	3,164	60 4 37,7	19,908	124
981	Pisces.....	9	28 14,96	3,084	85 4 26,7	19,907	128
982	Pisces.....	.	28 16,03	3,132	69 21 28,8	19,907	35
983	Andromeda ..	6½	28 23,80	3,148	64 46 33,5	19,906	27
984	Andromeda ..	9	28 25,72	3,144	65 45 49,3	19,905	29
985	Cetus.....	8½	28 26,27	3,035	101 47 37,2	19,905	244
986	Andromeda ..	9	28 29,44	3,213	49 10 31,0	19,905	477
987	Cetus.....	7	28 31,80	3,005	111 23 59,1	19,904	391
988	Cetus.....	6½	28 32,19	3,005	111 23 57,3	19,904	392
989	Cassiopea	8	28 34,65	3,257	41 31 39,7	19,904	305
990	Pisces.....	8	28 38,07	3,090	83 11 7,0	19,903	128
991	Pisces.....	8½	28 38,50	3,090	83 11 6,0	19,903	127
992	Andromeda . δ	3	28 39,83	3,165	60 14 7,5	19,903	307
993	Andromeda . δ	.	28 39,97	3,165	60 14 12,9	19,903	138
994	Andromeda . δ	3	28 40,00	3,165	60 14 0,1	19,903	349
995	Andromeda . δ	3	28 40,02	3,165	60 14 9,5	19,903	573
996	Andromeda . δ	3	28 40,18	3,165	60 14 6,9	19,903	124
997	Cetus.....	7½	28 40,41	2,993	114 41 58,4	19,903	557
998	Andromeda ..	9	28 44,21	3,223	47 27 46,9	19,902	308
999	Pisces.....	7½	28 46,44	3,076	87 58 59,1	19,902	122
1000	Pisces.....	9	0 28 47,81	+3,089	83 31 17,2	-19,901	128



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1001	Cassiopea	9½	0 28 49.05	+3,350	30 54 3.9	-19,901	372
1002	Andromeda ..	9	28 50.81	3,139	67 24 50.9	19,901	203
1003	Andromeda ..	8	28 51.84	3,190	54 18 35.2	19,901	126
1004	Cetus	7	28 52.22	2,987	116 12 29.9	19,901	559
1005	Cetus .....	.	28 55.87	3,054	95 16 32.8	19,900	133
1006	Cassiopea	9	28 56.15	3,258	41 45 9.9	19,900	305
1007	Cetus	9	28 56.49	3,054	95 16 37.5	19,900	135
1008	Cassiopea	8	28 57.40	3,343	31 38 6.7	19,899	368
1009	Cetus .....	.	28 57.40	3,055	95 5 38.3	19,899	133
1010	Pisces	9	28 57.50	3,091	82 53 35.6	19,899	127
1011	Cetus	9	28 57.85	3,055	95 5 38.0	19,899	135
1012	Andromeda ..	5½	28 59.16	3,132	69 49 42.3	19,899	35
1013	Cassiopea	10	28 59.45	3,276	39 13 18.0	19,899	369
1014	Cassiopea	5	28 59.56	3,276	39 13 12.4	19,899	306
1015	Cassiopea	8	29 2.67	3,345	31 35 11.7	19,899	368
1016	Cetus	9	29 10.75	3,004	111 11 19.2	19,897	391
1017	Cassiopea .. α	3	29 14.13	3,317	34 33 47.8	19,897	373
1018	Cassiopea .. α	3	29 14.48	3,316	34 33 42.5	19,897	370
1019	Cassiopea	7½	29 14.76	3,247	43 50 42.4	19,896	248
1020	Pisces	8½	29 16.14	3,101	79 34 3.7	19,896	41
1021	Andromeda ..	.	29 19.67	3,161	61 43 43.0	19,895	573
1022	Andromeda ..	8½	29 19.82	3,205	51 39 34.1	19,895	137
1023	Andromeda ..	9	29 21.17	3,225	47 38 6.1	19,895	308
1024	Pisces	7½	29 22.27	3,091	82 58 35.7	19,895	127
1025	Pisces	7½	29 22.27	3,091	82 58 38.8	19,895	128
1026	Pisces	5½	29 24.96	3,133	68 39 37.1	19,894	35
1027	Pisces	8	29 29.85	3,077	87 26 54.1	19,893	122
1028	Cetus	9	29 36.51	3,042	99 6 10.8	19,893	192
1029	Cetus	9	29 36.61	3,042	99 6 7.6	19,893	187
1030	Cetus	6½	29 36.72	3,042	99 6 12.9	19,892	245
1031	Cetus	7	29 37.84	3,032	102 14 43.1	19,892	244
1032	Andromeda ..	8	29 41.38	3,152	64 25 53.0	19,892	27
1033	Andromeda ..	8	29 45.13	3,207	51 34 16.0	19,891	137
1034	Andromeda ..	9	29 45.41	3,192	54 38 57.5	19,891	126
1035	Andromeda ..	7½	29 46.76	3,143	67 2 48.5	19,890	203
1036	Cassiopea	7	29 47.23	3,438	25 13 39.6	19,890	369
1037	Cassiopea	7	29 47.41	3,438	25 13 51.8	19,890	378
1038	Andromeda ..	7	29 47.44	3,143	67 2 46.1	19,890	29
1039	Andromeda ..	8½	29 49.73	3,142	67 19 55.8	19,890	203
1040	Pisces	9½	0 29 49.82	+3,090	83 26 44.5	-19,890	128

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1041	Pisces.....	8	0 29 50,62	+3,115	75 16 31,5	-19,890	200
1042	Pisces.....	8½	29 50,82	3,115	75 16 38,9	19,890	38
1043	Andromeda ..	9	29 51,22	3,193	54 34 16,5	19,890	126
1044	Cetus	10	29 51,39	3,042	98 58 15,4	19,889	192
1045	Andromeda ..	7	29 54,45	3,211	50 52 27,9	19,889	477
1046	Andromeda ..	8	29 56,57	3,145	66 29 48,3	19,888	29
1047	Cetus	9	29 59,40	3,054	95 11 3,2	19,888	135
1048	Pisces.....	8½	30 0,28	3,118	74 30 36,6	19,888	200
1049	Cassiopea	7	30 6,02	3,287	38 53 58,1	19,887	307
1050	Cassiopea	7½	30 6,40	3,287	38 54 4,7	19,887	379
1051	Andromeda ..	9	30 8,25	3,250	44 7 21,6	19,886	248
1052	Cetus	9	30 8,53	3,070	89 57 53,0	19,886	119
1053	Andromeda ..	8½	30 8,70	3,165	61 26 46,7	19,886	573
1054	Andromeda ..	8	30 11,11	3,171	59 59 7,2	19,886	307
1055	Andromeda ..	8	30 11,36	3,171	59 59 4,6	19,886	124
1056	Cetus	8	30 12,56	3,043	98 45 6,5	19,886	187
1057	Cetus	7½	30 13,88	3,042	98 55 5,2	19,885	192
1058	Sculptor.....	9	30 15,60	2,979	117 9 13,7	19,885	561
1059	Cassiopea	6	30 16,61	3,448	24 57 9,7	19,885	378
1060	Cassiopea	8	30 16,62	3,448	24 57 7,3	19,885	369
1061	Andromeda ..	5½	30 19,79	3,209	51 38 28,1	19,884	137
1062	Cetus	8	30 20,57	3,061	92 51 56,8	19,884	131
1063	Andromeda ..	8	30 23,86	3,210	51 29 45,0	19,883	137
1064	Cetus	7	30 25,86	3,013	107 36 50,4	19,883	390
1065	Cetus	6	30 27,53	2,987	114 53 13,3	19,882	557
1066	Cetus	6	30 27,86	2,987	114 53 11,4	19,882	559
1067	Pisces.....	7½	30 29,10	3,134	70 4 40,6	19,882	35
1068	Andromeda ..	9	30 30,01	3,239	46 17 16,0	19,882	120
1069	Cetus	6½	30 31,02	3,053	95 26 59,2	19,882	133
1070	Cetus	7	30 31,59	3,053	95 27 10,0	19,882	135
1071	Pisces.....	9½	30 31,92	3,096	81 43 9,9	19,882	127
1072	Pisces.....	8½	30 32,96	3,080	86 37 12,2	19,882	118
1073	Cetus	7½	30 38,56	3,044	98 19 40,1	19,881	204
1074	Cetus	7½	30 38,99	3,044	98 19 42,1	19,880	187
1075	Cassiopea	6	30 43,82	3,492	22 56 9,6	19,879	374
1076	Cetus	8½	30 46,47	3,044	98 12 57,7	19,879	187
1077	Cetus	7½	30 46,56	3,044	98 12 57,7	19,879	204
1078	Cetus	9	30 47,39	3,053	95 11 23,2	19,879	135
1079	Andromeda ..	8	30 48,83	3,161	63 3 18,0	19,878	27
1080	Andromeda ..	7½	30 49,00	+3,161	63 3 21,2	-19,878	573

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1081	Andromeda ..	8	0 30 51.47	+3,248	45 10 6.0	-19,878	120
1082	Pisces.....	7	30 52.57	3,096	81 44 21.9	19,878	127
1083	Cetus	8	30 57.22	3,061	92 36 48.2	19,877	131
1084	Cassiopea .. ξ	5	30 58.68	3,280	40 35 13.9	19,877	306
1085	Cassiopea .. ξ	5½	30 59.00	3,280	40 35 15.8	19,877	305
1086	Cassiopea .. ξ	5½	30 59.43	3,280	40 35 11.6	19,877	307
1087	Andromeda ..	6	31 1.25	3,148	66 28 11.2	19,876	29
1088	Pisces.....	8½	31 4.82	3,078	87 30 3.2	19,875	122
1089	Andromeda ..	9	31 5.15	3,256	44 7 26.6	19,875	249
1090	Andromeda ..	8	31 8.47	3,158	63 54 37.5	19,875	24
1091	Pisces.....	7½	31 10.99	3,132	70 57 30.2	19,874	478
1092	Pisces.....	8	31 15.66	3,130	71 41 56.4	19,873	478
1093	Cassiopea	9	31 17.75	3,345	33 30 13.4	19,873	370
1094	Cetus	9	31 18.87	3,053	95 19 56.9	19,872	133
1095	Cetus	8½	31 19.17	3,062	92 23 49.7	19,872	131
1096	Cetus	8	31 19.39	3,053	95 19 53.7	19,872	135
1097	Cetus	8½	31 19.91	3,072	89 20 57.7	19,872	119
1098	Andromeda ..	7½	31 23.40	3,182	58 29 13.3	19,872	349
1099	Andromeda ..	8½	31 26.01	3,239	47 9 30.8	19,871	120
1100	Andromeda ..	7½	31 26.83	3,239	47 9 39.6	19,871	308
1101	Andromeda ..	7½	31 26.94	3,239	47 9 37.9	19,871	3
1102	Cassiopea	7½	31 28.48	3,298	38 45 39.9	19,871	307
1103	Cassiopea	7½	31 28.68	3,297	38 54 41.9	19,871	379
1104	Pisces.....	8½	31 28.82	3,078	87 27 28.1	19,871	122
1105	Cetus	8	31 31.61	2,998	111 23 59.2	19,870	391
1106	Pisces.....	9½	31 34.43	3,096	81 54 57.2	19,870	127
1107	Cetus	7	31 40.66	2,979	116 17 35.1	19,868	559
1108	Andromeda ..	8½	31 41.98	3,163	63 8 16.3	19,868	573
1109*	Cassiopea	9	31 42.58	3,300	38 40 1.7	19,868	379
1110	Pisces.....	9½	31 45.73	3,105	79 9 8.2	19,867	41
1111	Andromeda ..	9	31 46.36	3,205	54 52 31.9	19,867	126
1112	Pisces.....	8½	31 50.39	3,143	68 15 53.7	19,866	203
1113	Andromeda ..	7½	31 51.48	3,162	63 27 18.6	19,866	573
1114	Andromeda ..	7	31 51.73	3,162	63 27 13.6	19,866	27
1115	Andromeda ..	Neb.	31 51.99	3,226	49 49 41.7	19,866	477
1116	Andromeda ..	9½	31 56.36	3,180	59 16 1.0	19,865	124
1117	Cetus	9	32 1.27	3,046	97 20 39.8	19,864	187
1118	Pisces.....	8	32 5.56	3,080	86 55 44.9	19,863	118
1119	Cetus	6½	32 8.30	3,027	102 54 7.2	19,863	244
1120	Andromeda ..	7½	0 32 8.60	+3,173	60 59 33.2	-19,862	307

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1121	Andromeda ..	8	0 32 8.67	+3,173	60 59 39.6	-19,862	124
1122	Andromeda ..	8½	32 24.97	3,198	55 44 39.9	19,859	389
1123	Cetus	9	32 25.43	3,072	89 24 6.9	19,859	119
1124	Pisces	8½	32 25.81	3,079	87 16 26.9	19,859	122
1125	Pisces	7	32 26.22	3,122	74 25 54.6	19,859	200
1126	Cassiopea .. π	5	32 27.57	3,265	44 4 15.5	19,859	249
1127	Cassiopea .. π	5½	32 27.82	3,265	44 4 19.0	19,859	305
1128	Cassiopea	9	32 28.70	3,493	24 3 56.3	19,858	369
1129	Andromeda ..	9	32 33.45	3,244	47 21 14.9	19,857	308
1130	Andromeda ..	9	32 37.12	3,175	60 53 8.1	19,857	307
1131	Andromeda ..	9	32 37.18	3,175	60 53 14.5	19,857	124
1132	Pisces	9	32 40.73	3,096	82 4 56.5	19,856	127
1133	Cassiopea	8	32 41.77	3,498	23 56 9.1	19,856	369
1134	Cetus	9	32 42.03	3,070	89 48 15.8	19,855	119
1135	Cetus	8	32 42.80	2,995	111 17 30.3	19,855	391
1136	Pisces	9	32 42.97	3,095	82 31 27.1	19,855	127
1137	Cetus	6½	32 45.02	3,033	101 1 7.3	19,855	192
1138	Cetus	7½	32 49.69	3,053	94 57 9.1	19,854	133
1139	Pisces	9½	32 52.75	3,105	79 23 15.9	19,854	41
1140	Pisces	9	32 59.30	3,117	76 0 1.0	19,852	38
1141	Pisces	7½	33 1.13	3,073	89 2 36.1	19,852	122
1142	Cassiopea	8	33 1.27	3,268	44 7 57.6	19,852	249
1143	Andromeda ..	9	33 3.78	3,212	53 32 7.6	19,851	126
1144	Pisces	8½	33 5.29	3,126	73 44 24.8	19,851	200
1145	Andromeda ..	8½	33 6.13	3,154	66 12 28.9	19,850	29
1146	Pisces	7½	33 8.02	3,075	88 30 55.2	19,850	122
1147	Cassiopea	7	33 8.08	3,326	36 56 42.1	19,850	373
1148	Cetus	8	33 8.83	3,044	97 26 4.1	19,850	187
1149	Andromeda ..	7	33 9.06	3,191	57 47 16.6	19,850	349
1150	Andromeda ..	8	33 12.97	3,228	50 39 42.6	19,849	477
1151	Cassiopea	9½	33 17.22	3,394	30 47 24.9	19,848	372
1152	Cassiopea	5½	33 23.19	3,276	43 14 5.0	19,847	249
1153	Cassiopea	6½	33 23.45	3,276	43 14 6.3	19,847	305
1154	Andromeda ..	8½	33 23.97	3,230	50 24 40.0	19,847	477
1155	Cetus	β	33 30.84	3,002	109 5 8.9	19,845	557
1156	Cetus	β	33 32.38	3,002	109 5 9.7	19,845	390
1157	Cetus	β	33 32.39	3,002	109 4 43.9	19,845	559
1158	Pisces	8½	33 32.61	3,092	83 32 30.7	19,845	128
1159	Cetus	β	33 32.64	3,002	109 5 10.4	19,845	392
1160	Cetus	β	33 32.78	+3,002	109 5 7.3	-19,845	249

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1161	Cetus..... β	3	0 33 33.38	+3,002	109 5 5.1	-19,845	247
1162	Cassiopea .. θ	5	33 38.35	3,281	42 48 47.9	19,844	305
1163	Cassiopea .. θ	6½	33 38.40	3,281	42 48 45.8	19,844	369
1164	Andromeda ..	9	33 39.26	3,194	57 28 44.3	19,844	349
1165	Pisces.....	7½	33 39.53	3,129	73 10 2.6	19,844	478
1166	Cassiopea	8	33 41.65	3,471	26 0 19.8	19,843	378
1167	Andromeda ..	7½	33 44.27	3,232	50 24 57.4	19,843	477
1168	Cetus.....	6	33 46.17	3,024	103 6 2.1	19,842	244
1169	Pisces.....	9	33 48.01	3,112	77 47 22.7	19,842	204
1170	Andromeda ..	8½	33 52.78	3,243	48 35 54.0	19,841	308
1171	Cassiopea	5½	33 58.46	3,343	35 52 33.1	19,840	373
1172	Pisces.....	8½	34 0.08	3,093	83 19 24.4	19,839	128
1173	Andromeda ..	9	34 3.42	3,253	47 38 49.2	19,839	309
1174	Cetus..... ϕ^1	5	34 6.03	3,029	101 42 6.1	19,838	244
1175	Cetus.....	8	34 6.06	3,038	98 59 5.1	19,838	204
1176	Andromeda ..	8	34 15.28	3,197	57 24 11.2	19,836	349
1177	Cassiopea	7	34 16.79	3,569	21 46 19.5	19,835	374
1178	Andromeda ..	8	34 18.79	3,271	44 47 32.2	19,835	249
1179	Cetus.....	9½	34 20.48	2,984	113 10 27.1	19,835	391
1180	Andromeda ..	8½	34 20.57	3,216	53 42 46.8	19,835	126
1181	Cetus.....	9	34 20.62	2,984	113 10 29.6	19,835	557
1182	Cassiopea	8½	34 21.87	3,362	34 19 18.4	19,834	370
1183	Cassiopea	9	34 22.38	3,281	43 19 36.0	19,834	249
1184	Pisces.....	9	34 23.61	3,093	83 28 36.7	19,834	128
1185	Cetus.....	8	34 24.12	3,018	104 30 43.2	19,834	247
1186	Cassiopea	8½	34 28.61	3,344	36 6 57.3	19,833	373
1187	Pisces.....	9	34 28.85	3,148	68 45 27.3	19,833	203
1188	Andromeda ..	8½	34 30.31	3,252	47 41 40.5	19,833	3
1189	Andromeda ..	8	34 30.68	3,252	47 41 38.2	19,833	309
1190	Sculptor.....	8	34 31.30	2,965	117 37 28.1	19,832	561
1191	Andromeda ..	8	34 38.34	3,153	67 30 19.1	19,831	203
1192	Andromeda ..	8	34 39.36	3,172	63 7 56.3	19,831	573
1193	Cassiopea	8	34 42.88	3,970	12 37 37.9	19,830	351
1194	Andromeda ..	8½	34 44.04	3,189	59 25 33.8	19,829	307
1195	Pisces.....	8½	34 45.88	3,084	85 54 56.2	19,829	118
1196	Cetus.....	5½	34 49.58	2,983	113 6 28.6	19,828	391
1197	Cetus.....	6	34 49.94	2,983	113 7 30.1	19,828	557
1198	Cetus.....	8½	34 49.98	3,072	89 16 36.7	19,828	122
1199	Cetus.....	7½	34 53.30	3,067	90 50 24.0	19,828	119
1200	Cetus.....	•	34 53.53	+3,067	90 50 21.5	-19,828	131

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1201	Cassiopea	8	0 34 53,61	+3,351	35 47 30,0	-19,828	373
1202	Andromeda ..	7½	34 55,65	3,178	61 54 16,9	19,827	24
1203	Andromeda ..	8	34 55,70	3,183	60 45 31,1	19,827	307
1204	Cetus	8	34 56,01	3,022	103 14 25,7	19,827	244
1205	Andromeda ..	8	34 56,08	3,183	60 45 29,5	19,827	124
1206	Andromeda ..	•	34 56,55	3,178	61 54 17,1	19,827	573
1207	Andromeda ..	8½	34 58,97	3,235	50 50 36,8	19,826	477
1208	Cetus	9½	35 1,61	2,994	110 23 40,3	19,826	392
1209	Andromeda ..	7½	35 6,98	3,239	50 16 58,2	19,824	477
1210	Cassiopea	7½	35 7,53	3,403	31 31 17,7	19,824	368
1211	Andromeda ..	8	35 8,97	3,165	64 55 18,8	19,824	27
1212	Andromeda ..	7½	35 9,56	3,165	64 55 23,1	19,824	30
1213	Andromeda ..	6	35 10,19	3,265	46 14 3,0	19,824	120
1214	Andromeda ..	9	35 13,05	3,225	52 49 24,1	19,823	137
1215	Cetus	7	35 13,11	3,049	95 43 35,0	19,823	135
1216	Cetus	6½	35 13,28	3,049	95 43 37,1	19,823	133
1217	Andromeda ..	8½	35 17,48	3,238	50 40 12,7	19,822	477
1218	Cassiopea	9	35 17,89	3,353	35 57 2,2	19,822	373
1219	Pisces	8½	35 19,84	3,094	83 15 6,4	19,822	128
1220	Cetus	6	35 26,02	3,018	103 57 58,6	19,820	247
1221	Andromeda ..	8½	35 26,27	3,271	45 40 12,6	19,820	120
1222	Andromeda ..	6½	35 32,26	3,282	44 12 5,7	19,819	249
1223	Cassiopea	9	35 32,70	3,416	30 49 37,9	19,819	372
1224	Pisces	9	35 38,62	3,110	78 59 18,3	19,818	204
1225	Cetus	8	35 38,73	3,068	90 31 0,3	19,818	119
1226	Pisces	9	35 38,77	3,110	78 59 18,0	19,818	41
1227	Cetus	7	35 40,69	3,004	107 31 14,0	19,817	390
1228	Cetus	6½	35 41,50	3,004	107 31 10,3	19,817	249
1229	Andromeda ..	7	35 41,74	3,189	60 8 54,5	19,817	307
1230	Andromeda ..	7½	35 42,57	3,189	60 9 0,9	19,817	124
1231	Andromeda ..	9	35 43,47	3,159	66 47 31,5	19,817	203
1232	Andromeda ..	9	35 43,62	3,181	61 46 47,0	19,816	573
1233	Pisces	9	35 44,37	3,085	85 49 2,0	19,816	118
1234	Andromeda ..	7½	35 44,79	3,189	60 8 30,5	19,816	307
1235	Andromeda ..	7½	35 45,17	3,189	60 8 33,9	19,816	124
1236	Andromeda ..	7½	35 48,39	3,280	44 43 52,1	19,815	249
1237	Cetus	9½	35 56,13	3,598	21 33 27,4	19,813	374
1238	Cetus	8	35 58,23	3,003	107 45 1,5	19,813	390
1239	Pisces	8	36 4,17	3,114	77 56 34,0	19,812	204
1240	Pisces	6	0 36 6,06	+3,123	75 36 59,1	-19,811	200

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1241	Pisces.....	5½	0 36 6.31	+3,123	75 37 2.6	-19,811	38
1242	Cetus.....	9	36 7.12	3,041	97 39 37.2	19,811	204
1243	Cetus.....	8	36 10.98	3,023	102 32 42.8	19,810	244
1244	Cassiopea	7½	36 13.64	3,502	25 58 26.9	19,809	378
1245	Sculptor.....	6	36 14.12	2,978	113 37 1.2	19,809	391
1246	Sculptor.....	6½	36 14.74	2,978	113 37 6.0	19,809	557
1247	Sculptor.....	10	36 16.05	2,979	113 20 16.7	19,809	391
1248	Cetus.....	9	36 18.42	3,041	97 46 49.6	19,808	204
1249	Pisces.....	9	36 26.46	3,085	85 44 55.9	19,807	118
1250	Andromeda ..	.	36 26.98	3,235	52 3 54.6	19,806	137
1251	Cetus.....	8	36 29.43	3,050	95 11 22.8	19,806	133
1252	Cetus.....	8	36 29.87	3,049	95 30 22.4	19,806	135
1253	Pisces.....	9½	36 30.58	3,074	88 44 9.7	19,806	122
1254	Pisces.....	6	36 36.20	3,111	79 7 8.6	19,804	204
1255	Pisces.....	7	36 36.27	3,111	79 7 6.5	19,804	41
1256	Andromeda ..	8½	36 37.34	3,284	44 50 57.2	19,804	249
1257	Cetus.....	9	36 38.28	3,067	90 42 48.8	19,804	119
1258	Cassiopea	9	36 39.29	3,446	29 30 40.7	19,803	372
1259	Pisces.....	6	36 40.56	3,141	71 31 0.2	19,803	478
1260	Pisces.....	5½	36 41.05	3,141	71 30 57.5	19,803	35
1261	Cassiopea	7	36 43.68	3,327	39 38 53.8	19,803	306
1262	Cassiopea	9	36 45.27	3,335	38 49 7.2	19,802	379
1263	Andromeda ..ζ	4½	36 45.74	3,161	66 49 20.5	19,802	203
1264	Andromeda ..ζ	4½	36 46.14	3,161	66 49 24.9	19,802	30
1265	Cassiopea	7½	36 46.53	3,985	13 8 0.5	19,802	351
1266	Cetus.....	8	36 47.56	3,062	92 20 42.8	19,802	131
1267	Cetus.....	9	36 53.99	3,023	102 15 26.7	19,800	244
1268	Andromeda ..	8½	36 57.04	3,182	62 18 8.5	19,799	573
1269	Cetus.....	9	36 58.89	3,061	92 14 57.6	19,799	131
1270	Cassiopea	9	36 59.00	3,585	22 37 39.5	19,799	374
1271	Cassiopea ....	.	37 2.92	3,398	33 14 52.7	19,798	368
1272	Pisces.....	7	37 3.11	3,139	72 11 36.2	19,798	478
1273	Pisces.....	6½	37 3.33	3,091	84 21 8.1	19,798	128
1274	Cassiopea ..γ	5½	37 4.21	3,398	33 14 53.3	19,798	370
1275	Andromeda ..	6½	37 4.73	3,171	64 48 8.7	19,797	27
1276	Pisces.....	8½	37 4.77	3,110	79 27 5.7	19,797	41
1277	Cetus.....	8	37 6.83	2,968	115 18 34.9	19,797	557
1278	Cetus.....	7½	37 7.33	2,968	115 18 38.5	19,797	559
1279	Cassiopea	8	37 12.42	3,315	41 22 46.4	19,796	305
1280	Cassiopea	9	0 37 14.13	+3,375	35 17 42.7	-19,795	373

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1281	Andromeda ..	8	0 37 19.00	+3,219	55 21 23.1	-19,794	20
1282	Pisces.....	6½	37 19.41	3,148	70 10 5.9	19,794	35
1283	Pisces.....	9½	37 22.88	3,131	74 7 57.4	19,793	200
1284	Cassiopea	8	37 23.31	3,338	38 59 31.4	19,793	379
1285	Cetus.....	7½	37 24.73	3,057	93 24 58.6	19,793	133
1286	Andromeda ..	9	37 29.50	3,193	60 25 38.2	19,792	124
1287	Andromeda ..	8½	37 30.52	3,279	46 7 16.0	19,792	120
1288	Cassiopea .. γ	7	37 34.14	3,329	40 7 31.2	19,791	369
1289	Cassiopea .. γ	5	37 34.67	3,329	40 7 28.3	19,790	306
1290	Andromeda ..	9	37 35.11	3,184	62 22 10.6	19,790	573
1291	Pisces.....	8½	37 36.61	3,142	71 36 27.3	19,790	478
1292	Cassiopea	9	37 41.47	3,518	26 0 35.0	19,789	378
1293	Cetus.....	9	37 44.41	3,042	97 4 59.8	19,788	135
1294	Cetus.....	6	37 44.63	2,993	109 9 21.3	19,788	390
1295	Cetus.....	8½	37 45.41	3,023	101 59 55.5	19,788	244
1296	Cetus.....	8½	37 46.43	3,065	91 20 10.5	19,787	131
1297	Cetus.....	7	37 49.18	3,029	100 27 7.5	19,787	245
1298	Sculptor.....	9	37 52.21	2,952	118 4 24.3	19,786	561
1299	Pisces.....	6½	37 53.55	3,086	85 44 49.0	19,786	118
1300	Pisces.....	6	37 55.33	3,094	83 47 29.3	19,786	128
1301	Pisces.....	6	37 55.36	3,094	83 47 29.2	19,786	127
1302	Andromeda ..	7½	38 3.52	3,255	49 57 35.9	19,783	477
1303	Andromeda ..	.	38 4.25	3,276	46 57 37.9	19,783	3
1304	Cetus.....	6	38 6.35	2,977	112 49 1.1	19,783	557
1305	Cetus.....	6	38 6.38	2,977	112 48 54.2	19,783	391
1306	Cetus.....	7½	38 6.47	3,064	91 34 53.2	19,783	131
1307	Andromeda ..	7½	38 8.88	3,207	58 10 5.1	19,782	349
1308	Pisces.....	7½	38 14.11	3,140	72 24 17.5	19,781	478
1309	Pisces.....	7½	38 17.41	3,139	72 46 40.1	19,780	478
1310	Cetus.....	9	38 18.28	3,067	90 42 29.9	19,780	119
1311	Andromeda ..	7	38 18.29	3,256	50 0 36.9	19,780	477
1312	Pisces..... δ	4	38 18.80	3,095	83 30 19.9	19,780	128
1313	Pisces..... δ	4	38 19.10	3,095	83 30 19.0	19,780	127
1314	Andromeda ..	7	38 22.25	3,296	44 35 2.1	19,779	249
1315	Andromeda ..	7	38 27.90	3,187	62 22 24.6	19,777	573
1316	Cassiopea	6	38 28.24	3,307	43 19 45.1	19,777	249
1317	Cassiopea	7	38 28.62	3,307	43 19 41.3	19,777	305
1318	Pisces.....	6	38 28.99	3,133	74 8 27.5	19,777	200
1319	Pisces.....	9	38 31.15	3,116	78 12 48.5	19,777	204
1320	Andromeda ..	7½	0 38 31.49	+3,278	47 1 51.8	-19,777	3

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1321	Cetus	9½	0 38 32.02	+3,006	105 50 41.4	-19,776	249
1322	Pisces.....	7½	38 37.25	3,124	76 17 2.5	19,775	38
1323	Andromeda ..	8½	38 38.21	3,239	52 53 17.1	19,775	126
1324	Sculptor.....	8	38 42.86	2,953	117 27 58.2	19,774	561
1325	Cassiopea	6½	38 43.38	3,514	26 50 38.9	19,774	378
1326	Cetus	9½	38 44.94	2,989	109 38 1.8	19,773	392
1327	Andromeda .. v	4	38 49.89	3,259	50 0 43.2	19,772	309
1328	Andromeda .. v	4	38 49.92	3,259	50 0 42.9	19,772	477
1329	Pisces.....	8½	38 51.94	3,161	67 57 46.6	19,772	203
1330	Cassiopea	8	38 58.42	3,324	41 41 46.7	19,770	305
1331	Andromeda ..	9	39 0.65	3,248	51 50 3.6	19,770	137
1332	Andromeda ..	7½	39 4.39	3,197	60 38 25.0	19,769	307
1333	Andromeda ..	.	39 4.68	3,197	60 38 16.4	19,769	124
1334	Andromeda ..	8	39 5.09	3,207	58 52 30.8	19,768	349
1335	Andromeda ..	8½	39 5.94	3,245	52 21 11.0	19,768	137
1336	Andromeda ..	7	39 8.39	3,222	56 6 57.2	19,768	20
1337	Cassiopea	8	39 9.83	3,630	22 6 18.0	19,767	374
1338	Pisces i	6	39 10.35	3,184	63 22 49.5	19,767	573
1339	Pisces i	5	39 10.38	3,184	63 22 50.6	19,767	27
1340	Cassiopea	9	39 10.43	3,521	26 45 59.8	19,767	378
1341	Andromeda ..	9½	39 10.44	3,245	52 23 2.0	19,767	137
1342	Pisces i	5½	39 10.80	3,184	63 22 50.0	19,767	24
1343	Andromeda ..	6½	39 11.67	3,289	46 5 25.0	19,767	120
1344	Cetus	7½	39 12.31	2,977	112 14 29.0	19,767	391
1345	Pisces.....	8½	39 12.49	3,097	83 8 11.3	19,767	127
1346	Pisces.....	8½	39 12.55	3,097	83 8 14.4	19,767	128
1347	Cassiopea	8½	39 15.69	3,556	25 6 35.7	19,766	369
1348	Cetus	6	39 22.04	2,962	115 13 31.6	19,764	559
1349	Cetus	5½	39 22.92	3,010	104 38 49.2	19,764	247
1350	Cetus	9	39 23.66	2,975	112 29 34.3	19,764	391
1351	Cassiopea	7	39 26.33	3,478	29 17 12.5	19,763	372
1352	Andromeda ..	9	39 27.22	3,247	52 13 31.9	19,763	137
1353	Cetus	8	39 27.52	2,966	114 18 46.3	19,763	557
1354	Cetus	9	39 29.81	2,966	114 25 19.3	19,762	557
1355	Cetus	8	39 30.28	3,021	102 3 10.9	19,762	244
1356	Andromeda ..	8	39 32.21	3,213	58 1 58.9	19,762	349
1357	Pisces.....	7½	39 33.04	3,188	62 43 13.9	19,762	573
1358	Cassiopea	6½	39 34.91	3,348	39 34 55.9	19,761	306
1359	Cassiopea	7	39 35.30	3,348	39 35 1.0	19,761	379
1360	Cetus	8½	0 39 37.60	+3,033	98 56 29.3	-19,761	204

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1361	Cetus	7½	39 40,33	+3,064	91 18 55,2	-19,760	119
1362	Cetus	7	39 40,90	3,064	91 18 55,7	19,760	131
1363	Cetus	7	39 42,16	2,965	114 27 13,6	19,759	557
1364	Pisces	8	39 42,20	3,096	83 25 30,7	19,759	127
1365	Pisces	8	39 42,29	3,096	83 25 31,8	19,759	128
1366	Pisces	9	39 46,62	3,095	83 38 57,2	19,758	128
1367	Cassiopea	7½	39 49,24	3,306	44 22 14,0	19,757	249
1368	Cassiopea	8	39 56,26	3,319	42 53 2,9	19,756	305
1369	Andromeda . .	8	39 58,50	3,154	69 55 38,7	19,755	35
1370	Andromeda . .	7	40 0,07	3,175	65 30 22,1	19,755	30
1371	Pisces	9	40 1,12	3,145	71 53 50,8	19,754	478
1372	Andromeda . .	9	40 4,23	3,209	59 2 17,0	19,754	124
1373	Andromeda . .	8	40 5,16	3,215	58 2 21,9	19,753	349
1374	Cetus	5	40 6,48	3,021	101 43 24,6	19,753	244
1375	Pisces	8½	40 7,58	3,079	87 42 26,6	19,753	118
1376	Pisces	9	40 7,89	3,136	74 5 51,4	19,753	201
1377	Pisces	8½	40 8,23	3,144	72 18 24,4	19,753	478
1378	Pisces	9	40 9,36	3,108	80 40 45,5	19,752	41
1379	Andromeda . .	9	40 9,50	3,266	49 53 38,8	19,752	477
1380	Cetus	9	40 12,85	3,044	96 13 18,5	19,751	135
1381	Cassiopea	6	40 13,05	3,353	39 31 7,7	19,751	306
1382	Cassiopea	7	40 13,88	3,353	39 31 7,0	19,751	379
1383	Cassiopea	8	40 15,53	3,642	22 13 37,2	19,751	375
1384	Andromeda . .	8	40 16,50	3,246	53 2 41,4	19,751	126
1385	Cetus	8½	40 17,20	2,998	106 58 20,9	19,751	390
1386	Andromeda . .	.	40 20,57	3,287	47 8 7,0	19,750	3
1387	Cetus	8	40 22,36	3,043	96 29 22,3	19,749	135
1388	Cassiopea	8½	40 23,12	3,568	25 11 56,9	19,749	369
1389	Cassiopea	9	40 23,12	3,568	25 11 52,5	19,749	378
1390	Andromeda . .	9	40 25,50	3,240	54 3 28,2	19,748	126
1391	Cetus	8½	40 26,62	3,065	91 9 50,4	19,748	131
1392	Cetus	9	40 26,90	3,065	91 9 46,9	19,748	119
1393	Pisces	8½	40 28,69	3,164	68 12 30,9	19,747	203
1394	Andromeda . .	8½	40 29,59	3,290	46 53 5,7	19,747	4
1395	Andromeda . .	7	40 29,66	3,268	49 51 33,7	19,747	477
1396	Pisces	8½	40 33,51	3,098	83 2 30,2	19,746	127
1397	Cassiopea	8	40 34,13	3,322	43 2 0,0	19,746	305
1398	Cassiopea	8	40 34,55	3,330	42 6 25,1	19,746	305
1399	Cassiopea	8	40 42,31	3,681	21 8 10,0	19,744	375
1400	Pisces	8½	0 40 43,00	+3,094	84 11 30,9	-19,744	128

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1401	Pisces.....	8½	0 40 44.95	+3,145	72 17 11.4	-19,743	478
1402	Pisces.....	9½	40 45.01	3,124	77 0 17.5	19,743	38
1403	Cetus.....	8	40 48.14	3,077	88 20 35.1	19,742	122
1404	Andromeda ..	9	40 50.28	3,319	43 29 47.3	19,742	249
1405	Cetus.....	7½	40 57.75	3,044	96 7 22.3	19,740	135
1406	Pisces.....	7½	41 0.46	3,164	68 28 4.2	19,739	203
1407	Pisces.....	6½	41 0.82	3,079	87 42 7.0	19,739	122
1408	Pisces.....	7	41 0.98	3,079	87 42 6.7	19,739	118
1409	Cetus.....	9	41 1.84	3,043	96 16 14.8	19,739	135
1410	Cetus.....	9½	41 2.93	3,063	91 37 31.4	19,739	131
1411	Andromeda ..	8	41 3.13	3,212	59 5 18.0	19,739	349
1412	Andromeda ..	8½	41 3.23	3,212	59 5 16.0	19,738	124
1413	Cetus.....	8½	41 4.88	3,010	104 0 59.2	19,738	247
1414	Andromeda ..	6	41 6.12	3,223	57 11 53.6	19,738	20
1415	Andromeda ..	8	41 6.46	3,215	58 43 20.6	19,738	349
1416	Pisces.....	8	41 7.53	3,119	78 18 18.7	19,737	204
1417	Pisces.....	8	41 10.77	3,136	74 22 24.7	19,736	201
1418	Pisces.....	8	41 11.37	3,190	63 18 39.9	19,736	25
1419	Pisces.....	8	41 11.39	3,190	63 18 41.5	19,736	573
1420	Cassiopea	6	41 15.02	3,485	29 58 36.2	19,736	372
1421	Cetus.....	6	41 15.15	3,025	100 29 46.9	19,736	245
1422	Cetus.....	9½	41 15.43	3,009	104 12 25.2	19,735	247
1423	Cassiopea	7½	41 20.22	3,372	38 23 56.2	19,734	379
1424	Cetus.....	7½	41 21.51	3,052	94 13 55.8	19,734	133
1425	Cetus.....	9	41 24.92	3,063	91 34 43.4	19,733	131
1426	Cassiopea	8	41 27.29	3,428	33 52 16.2	19,732	370
1427	Andromeda ..	8	41 29.85	3,303	45 57 19.8	19,732	120
1428	Cetus.....	8½	41 35.52	3,039	97 11 24.1	19,730	204
1429	Cassiopea	•	41 36.90	3,478	30 25 22.7	19,730	372
1430	Cassiopea	8½	41 41.43	3,342	41 38 46.7	19,728	305
1431	Andromeda ..	8	41 41.61	3,181	65 18 41.9	19,728	30
1432	Pisces.....	9	41 42.26	3,110	80 29 13.5	19,728	41
1433	Cassiopea	8½	41 43.73	3,320	43 59 28.7	19,728	249
1434	Cassiopea	7½	41 44.82	3,597	24 39 16.3	19,727	369
1435	Cassiopea	9	41 48.98	3,410	35 27 37.9	19,727	373
1436	Andromeda ..	8½	41 49.10	3,212	59 37 38.5	19,727	124
1437	Andromeda ..	9	41 52.09	3,295	47 8 18.9	19,726	120
1438	Pisces.....	7½	41 52.39	3,160	69 40 34.5	19,726	35
1439	Andromeda ..	7	41 53.07	3,268	50 50 48.9	19,726	477
1440	Andromeda ..	8	0 41 54.08	+3,212	59 41 28.7	-19,725	124

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1441	Pisces.....	8	□ 41 55.26	+3,207	60 28 59.4	-19,725	124
1442	Pisces.....	8	41 55.42	3,207	60 29 1.9	19,725	307
1443	Andromeda ..	7½	41 55.43	3,256	52 32 19.7	19,725	138
1444	Andromeda ..	8	42 0.33	3,260	52 3 18.8	19,723	137
1445	Cassiopea	7½	42 0.41	3,346	41 26 5.5	19,723	305
1446	Andromeda ..	8½	42 0.56	3,260	52 3 22.3	19,723	138
1447	Pisces.....	9	42 1.50	3,124	77 26 22.7	19,723	204
1448	Cetus.....	8½	42 2.72	3,039	97 5 25.8	19,723	205
1449	Andromeda ..	8½	42 4.98	3,261	51 55 58.2	19,722	138
1450	Andromeda ..	8½	42 5.14	3,261	51 55 51.7	19,722	137
1451	Andromeda ..	7½	42 8.72	3,319	44 29 39.1	19,721	249
1452	Pisces.....	8	42 13.73	3,148	72 7 34.9	19,720	478
1453	Cassiopea	9	42 19.05	3,375	38 48 40.7	19,718	379
1454	Cetus.....	8	42 20.77	2,969	112 11 31.8	19,718	391
1455	Pisces.....	7½	42 20.96	3,208	60 34 34.5	19,718	124
1456	Pisces.....	7	42 21.17	3,207	60 44 23.1	19,718	307
1457	Pisces.....	9	42 21.58	3,098	83 23 17.9	19,717	128
1458	Cetus.....	7½	42 22.54	2,962	113 41 42.2	19,717	391
1459	Pisces.....	9	42 23.39	3,107	81 16 57.7	19,717	127
1460	Cassiopea	8	42 25.53	3,434	34 4 30.4	19,717	370
1461	Andromeda ..	7½	42 27.78	3,229	57 9 52.7	19,716	20
1462	Andromeda ..	7½	42 28.15	3,294	47 43 10.6	19,716	4
1463	Andromeda ..	7	42 29.11	3,294	47 43 8.5	19,716	309
1464	Andromeda ..	6	42 31.52	3,251	53 40 4.0	19,715	126
1465	Andromeda ..	9½	42 31.52	3,250	53 53 38.2	19,715	126
1466	Sculptor.....	8½	42 31.74	2,941	117 29 23.8	19,715	561
1467	Cassiopea	9	42 34.58	3,418	35 20 31.9	19,714	373
1468	Andromeda ..	9	42 35.22	3,323	44 14 44.0	19,714	249
1469	Cetus.....	8½	42 36.97	2,969	112 3 57.8	19,714	391
1470	Cetus.....	8	42 38.37	3,008	104 1 41.5	19,713	247
1471	Andromeda ..	8½	42 40.89	3,227	57 34 39.5	19,712	349
1472	Cetus.....	8½	42 40.92	3,063	91 28 5.1	19,712	131
1473	Cetus.....	8½	42 47.65	2,967	112 31 33.8	19,711	391
1474	Cetus.....	6	42 47.69	3,060	92 13 57.9	19,711	131
1475	Andromeda ..	8	42 50.25	3,281	49 37 39.5	19,710	477
1476	Pisces.....	9	42 50.31	3,108	81 10 31.6	19,710	127
1477	Cetus.....	6	42 50.69	2,953	115 5 51.2	19,710	557
1478	Cetus.....	5½	42 50.94	2,953	115 5 51.1	19,710	559
1479	Pisces.....	7½	42 51.16	3,202	62 0 28.2	19,710	573
1480	Pisces.....	7½	□ 42 54.74	+3,151	71 59 41.0	-19,708	478

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1481	Pisces.....	7½	0	43	2.04	+3,083	87	0	2.8	-19,707	122
1482	Pisces.....	8		43	2.13	3,083	87	0	1.5	19,707	118
1483	Pisces.....	8		43	2.51	3,083	86	59	41.4	19,707	45
1484	Andromeda ..	8		43	4.19	3,296	47	47	23.6	19,707	309
1485	Cassiopea	8		43	4.52	3,570	26	32	33.9	19,706	378
1486	Pisces.....	7½		43	4.64	3,200	62	31	39.9	19,706	25
1487	Andromeda ..	9		43	4.69	3,296	47	47	24.8	19,706	4
1488	Pisces.....	7½		43	4.81	3,200	62	31	45.7	19,706	573
1489	Cetus	8		43	11.88	2,985	108	44	20.1	19,704	390
1490	Cassiopea .. v¹	5½		43	13.29	3,469	32	6	48.7	19,704	368
1491	Pisces.....	9½		43	14.82	3,091	85	6	12.5	19,703	129
1492	Andromeda ..	8		43	17.35	3,266	52	1	10.9	19,703	137
1493	Andromeda ..	8½		43	17.97	3,266	52	1	13.4	19,703	138
1494	Andromeda ..	7		43	18.09	3,184	65	35	58.3	19,702	30
1495	Andromeda ..	7½		43	19.39	3,225	58	11	57.1	19,702	350
1496	Cetus	6½		43	22.75	2,948	115	51	57.9	19,701	559
1497	Pisces.....	10		43	24.76	3,114	79	57	50.9	19,701	41
1498	Cassiopea	9		43	28.39	3,446	33	48	42.2	19,700	370
1499	Cetus	7		43	30.47	3,045	95	36	52.1	19,699	135
1500	Andromeda ..	8½		43	32.25	3,177	67	1	11.0	19,699	203
1501	Cassiopea	8		43	33.63	3,353	41	40	56.7	19,698	305
1502	Andromeda ..	8		43	35.54	3,184	65	41	30.6	19,698	30
1503	Andromeda ..	9		43	35.77	3,265	52	15	47.1	19,697	137
1504	Andromeda ..	9		43	37.89	3,268	51	55	6.8	19,697	137
1505	Pisces.....	8½		43	37.95	3,091	85	16	42.7	19,697	129
1506	Andromeda ..	9		43	38.01	3,268	51	55	5.3	19,697	138
1507	Pisces.....	8½		43	38.30	3,091	85	16	40.4	19,697	118
1508	Cetus	8		43	41.45	3,002	105	0	32.5	19,696	249
1509	Cetus	8		43	42.29	3,002	105	0	34.3	19,696	247
1510	Andromeda ..	8½		43	43.12	3,186	65	22	18.1	19,696	30
1511	Andromeda ..	6½		43	47.37	3,348	42	24	27.4	19,694	305
1512	Cassiopea	9		43	50.99	3,598	24	40	27.4	19,693	369
1513	Andromeda ..	7½		43	54.09	3,331	44	12	11.9	19,692	249
1514	Andromeda ..	9		44	0.92	3,315	46	5	40.1	19,691	120
1515	Pisces.....	6		44	0.95	3,153	71	53	52.9	19,691	478
1516	Andromeda ..	8½		44	4.22	3,293	48	50	5.5	19,690	4
1517	Andromeda ..	8½		44	4.48	3,293	48	50	5.5	19,690	308
1518	Andromeda ..	8½		44	6.72	3,297	48	24	57.5	19,689	4
1519	Andromeda ..	8½		44	7.27	3,297	48	24	57.1	19,689	308
1520	Cetus	8	0	44	9.04	+2,990	107	15	41.1	-19,688	390

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1521	Cassiopea	7	0 44 10,20	+3,694	22 18 31,4	-19,688	375
1522	Sculptor	9	44 11,58	2,944	116 7 43,5	19,688	559
1523	Cetus	6	44 12,11	3,025	99 49 32,5	19,688	245
1524	Cetus	6	44 12,49	3,025	99 49 26,1	19,687	247
1525	Cassiopea	9	44 14,35	3,517	29 50 1,3	19,687	372
1526	Andromeda ..	8	44 14,89	3,317	45 59 44,0	19,687	120
1527	Andromeda ..	6	44 17,02	3,176	67 27 26,4	19,686	203
1528	Andromeda ..	4½	44 17,05	3,176	67 27 26,0	19,686	35
1529*	Pisces	8½	44 20,79	3,107	81 39 25,4	19,685	127
1530	Pisces	8½	44 21,13	3,155	71 36 55,4	19,685	478
1531	Cassiopea	7	44 21,31	4,452	10 32 26,0	19,685	351
1532	Andromeda ..	8	44 22,27	3,179	66 58 39,0	19,685	203
1533	Pisces	8½	44 22,66	3,201	62 55 3,1	19,685	573
1534	Andromeda ..	8	44 23,64	3,280	50 42 14,7	19,684	477
1535	Pisces	8½	44 27,60	3,156	71 24 52,1	19,683	478
1536	Andromeda ..	8½	44 28,13	3,176	67 40 26,6	19,683	203
1537	Andromeda ..	8	44 28,99	3,176	67 40 25,9	19,683	35
1538	Cassiopea	9	44 32,32	3,429	35 42 54,4	19,682	373
1539	Pisces	7½	44 33,81	3,216	60 25 27,9	19,682	307
1540	Andromeda ..	6	44 34,15	3,182	66 31 46,7	19,682	30
1541	Pisces	8	44 34,42	3,216	60 25 29,5	19,681	124
1542	Andromeda ..	7½	44 34,59	3,335	44 12 42,9	19,681	249
1543	Pisces	8	44 35,94	3,143	74 10 29,7	19,681	201
1544	Pisces	7	44 39,18	3,204	62 31 36,0	19,680	25
1545	Pisces	7½	44 39,20	3,204	62 31 29,7	19,680	573
1546	Cassiopea	8	44 40,77	3,588	26 33 18,1	19,679	378
1547	Cassiopea	9	44 43,60	3,395	38 35 38,7	19,679	379
1548	Cassiopea .. γ	3½	44 44,30	3,512	30 22 12,8	19,678	372
1549	Cassiopea	8½	44 46,48	3,457	33 48 0,2	19,678	370
1550	Cassiopea .. υ²	5½	44 50,15	3,487	31 54 10,5	19,677	368
1551	Cassiopea	7	44 50,57	3,507	30 43 22,1	19,677	372
1552	Andromeda ..	9½	44 54,69	3,263	53 28 41,9	19,676	126
1553	Andromeda ..	7½	44 57,45	3,336	44 25 59,1	19,675	249
1554	Pisces	8	44 57,86	3,096	84 13 56,3	19,675	129
1555	Andromeda ..	9	44 57,94	3,274	51 55 6,8	19,675	137
1556	Cetus	9	45 0,62	3,058	92 35 25,9	19,674	131
1557	Andromeda ..	8½	45 6,21	3,179	67 15 46,3	19,672	203
1558	Andromeda ..	8	45 9,81	3,229	58 44 35,8	19,671	350
1559	Andromeda ..	9½	45 12,61	3,324	45 52 15,8	19,670	120
1560	Cassiopea	9	0 45 14,67	+3,465	33 35 40,1	-19,670	370

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1561	Pisces λ	5	0 45 14.74	+3,198	63 52 36.6	-19,670	27
1562	Cassiopea	8	45 16.08	3,530	29 39 46.1	19,669	372
1563	Andromeda . .	6	45 18.60	3,248	55 51 25.0	19,669	20
1564	Cetus	8½	45 19.12	3,065	91 3 54.0	19,668	119
1565	Cetus	8	45 19.80	3,065	91 3 53.5	19,668	131
1566	Andromeda . .	6	45 22.10	3,306	48 6 23.9	19,668	308
1567	Andromeda . .	7	45 22.28	3,306	48 6 32.3	19,668	4
1568	Cetus	8	45 28.26	3,006	103 38 27.8	19,666	247
1569	Cetus	9	45 31.97	3,046	95 4 48.9	19,665	135
1570	Cassiopea	9	45 32.39	3,648	25 41 28.5	19,665	378
1571	Cetus	7	45 34.75	2,942	115 44 48.2	19,664	559
1572	Cetus	7½	45 34.79	3,027	99 8 20.0	19,664	245
1573	Cetus	8½	45 35.44	3,013	102 8 48.8	19,664	244
1574	Cassiopea	8	45 35.70	3,432	36 7 56.8	19,664	373
1575	Cetus	6½	45 36.27	3,030	98 25 49.0	19,663	247
1576	Pisces	6½	45 40.77	3,130	77 8 3.0	19,663	38
1577	Pisces	7½	45 40.70	3,130	77 8 1.5	19,663	204
1578	Andromeda μ	4	45 41.81	3,272	52 35 18.9	19,662	138
1579	Andromeda μ	3½	45 42.22	3,272	52 35 17.2	19,662	126
1580	Andromeda . .	7	45 47.89	3,331	45 28 27.5	19,660	120
1581	Pisces	9½	45 48.21	3,107	81 55 54.9	19,660	127
1582	Cassiopea	7	45 49.21	3,397	39 0 44.2	19,660	305
1583	Cassiopea	8	45 50.54	3,400	38 50 43.1	19,659	379
1584	Cetus	8	45 52.20	3,047	94 49 26.1	19,659	135
1585	Andromeda . .	7½	45 54.39	3,209	62 17 9.4	19,658	573
1586	Cetus	8	45 55.23	2,975	109 37 2.0	19,658	392
1587	Pisces	7½	45 57.69	3,097	84 14 28.3	19,658	129
1588	Andromeda . .	8	45 58.69	3,251	55 41 31.9	19,657	20
1589	Cetus ϕ^3	5	45 58.86	3,011	102 21 8.8	19,657	249
1590	Cetus ϕ^3	5	45 59.72	3,011	102 21 8.7	19,657	244
1591	Cetus	9	45 59.77	2,973	109 51 3.7	19,657	392
1592	Cassiopea	7	46 0.48	3,649	24 43 55.7	19,657	369
1593	Andromeda . .	8½	46 1.11	3,289	50 32 7.5	19,657	477
1594	Cetus	6½	46 2.62	3,027	99 6 23.9	19,656	245
1595	Pisces	8	46 5.63	3,151	73 7 24.4	19,655	201
1596	Pisces	8	46 6.13	3,151	73 7 22.8	19,655	478
1597	Andromeda . .	.	46 8.24	3,229	59 11 15.3	19,654	124
1598	Andromeda . .	7½	46 8.26	3,229	59 11 21.8	19,654	307
1599	Andromeda . .	8	46 8.36	3,229	59 11 19.3	19,654	350
1600*	Pisces	8	0 46 9.49	+3,108	81 51 14.8	-19,654	127

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1601	Pisces.....	8	0 46 12.08	+3,150	73 21 33.7	-19,654	201
1602	Cetus.....	8	46 12.69	2,963	111 47 25.4	19,653	391
1603	Sculptor.....	6	46 12.77	2,922	118 51 49.6	19,653	561
1604	Andromeda ..	7½	46 15.49	3,249	56 13 23.6	19,652	20
1605	Cetus.....	9	46 18.44	3,033	97 48 26.1	19,651	247
1606	Andromeda ..	8	46 23.07	3,336	45 14 39.3	19,650	120
1607	Andromeda ..	6	46 24.18	3,336	45 14 43.8	19,650	249
1608	Cassiopea	7	46 24.24	3,402	38 56 55.1	19,650	305
1609	Cassiopea	8	46 24.92	3,403	38 56 51.2	19,649	379
1610	Cassiopea	9	46 25.73	3,450	35 15 43.2	19,649	373
1611	Pisces.....	7½	46 30.17	3,201	64 5 4.0	19,648	27
1612	Andromeda . η	4½	46 33.01	3,181	67 39 52.7	19,647	203
1613	Andromeda . η	4	46 33.10	3,181	67 39 56.3	19,647	35
1614	Andromeda ..	8½	46 33.54	3,268	53 40 41.1	19,647	126
1615	Pisces.....	8	46 33.65	3,143	71 12 27.8	19,647	478
1616	Andromeda ..	9	46 33.78	3,191	65 47 34.8	19,647	30
1617	Cetus.....	8	46 36.05	3,052	93 48 45.1	19,646	133
1618	Pisces.....	8½	46 45.76	3,144	74 44 12.5	19,644	201
1619	Pisces.....	9½	46 48.40	3,110	81 33 17.4	19,643	127
1620	Andromeda ..	9	46 50.87	3,321	47 13 30.3	19,642	4
1621	Andromeda ..	8½	46 51.34	3,321	47 13 34.2	19,642	308
1622	Pisces.....	8½	46 52.73	3,143	74 55 37.7	19,641	201
1623	Cetus.....	8½	46 53.27	3,005	103 19 53.4	19,641	247
1624	Andromeda ..	9	46 56.53	3,293	50 33 40.5	19,640	477
1625	Andromeda ..	7½	46 58.63	3,253	56 5 42.4	19,640	20
1626	Cetus.....	8	46 58.71	3,066	90 44 26.4	19,640	119
1627	Andromeda ..	8	47 1.21	3,271	53 35 3.0	19,639	126
1628	Andromeda ..	8	47 1.65	3,341	45 10 7.2	19,639	120
1629	Andromeda ..	7	47 2.56	3,286	51 36 27.3	19,639	138
1630	Pisces A¹	6	47 2.65	3,214	62 5 35.2	19,639	573
1631	Sculptor.....	7	47 3.11	2,934	116 26 58.4	19,638	559
1632	Pisces.....	9	47 4.39	3,110	81 33 52.4	19,638	127
1633	Pisces.....	7½	47 4.55	3,217	61 33 29.7	19,638	573
1634	Andromeda ..	7½	47 6.66	3,286	51 36 21.7	19,637	137
1635	Pisces.....	8½	47 8.84	3,223	60 45 49.3	19,636	307
1636	Cassiopea	9	47 22.85	3,758	21 45 3.1	19,632	375
1637	Andromeda ..	7	47 23.87	3,354	44 2 48.9	19,632	249
1638	Cetus.....	7	47 24.03	3,073	89 17 52.4	19,632	122
1639	Cetus.....	8	47 25.54	3,074	88 59 33.9	19,631	122
1640	Pisces.....	7	0 47 25.76	+3,131	77 22 16.9	-19,631	204

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1641	Pisces.....	8½	0 47 26,27	+3,124	79 2 27,9	-19,631	41
1642	Andromeda ..	9	47 37,04	3,296	50 40 52,7	19,629	477
1643	Cetus	7	47 37,85	3,056	92 50 56,6	19,628	131
1644	Andromeda ..	9	47 44,16	3,271	53 53 23,4	19,626	126
1645	Cetus	6½	47 44,76	2,963	111 5 9,9	19,626	392
1646*	Pisces.....	7½	47 45,20	3,203	64 17 51,4	19,626	27
1647	Andromeda ..	7½	47 46,11	3,190	66 33 36,0	19,626	30
1648	Cetus	8	47 47,30	2,986	106 52 7,4	19,625	249
1649	Cetus	7½	47 47,63	2,985	106 57 27,3	19,625	390
1650	Pisces.	8½	47 48,82	3,163	71 18 55,1	19,625	478
1651	Pisces.....	7½	47 58,24	3,098	84 14 16,8	19,622	118
1652	Pisces.....	8	47 59,36	3,145	74 46 10,5	19,621	201
1653	Cassiopea	9	47 59,67	3,540	30 34 19,2	19,621	372
1654	Andromeda ..	8	48 0,11	3,291	51 27 58,7	19,621	137
1655	Andromeda ..	8½	48 0,15	3,291	51 27 58,3	19,621	138
1656	Pisces.....	8	48 0,79	3,124	78 57 16,2	19,621	41
1657	Cassiopea	9	48 4,30	3,641	25 58 8,9	19,620	378
1658	Andromeda ..	8	48 7,78	3,356	44 14 31,1	19,619	249
1659	Cetus	8	48 7,80	2,958	111 45 25,2	19,619	391
1660	Andromeda ..	9	48 10,91	3,319	48 13 55,4	19,618	4
1661	Cetus	7½	48 12,36	2,986	106 46 1,9	19,617	249
1662	Cetus	6½	48 12,88	2,985	106 46 8,1	19,617	390
1663	Andromeda ..	7	48 13,14	3,240	58 37 42,7	19,617	350
1664	Cetus	8	48 14,92	3,056	92 49 18,6	19,616	131
1665	Pisces.....	7	48 16,12	3,209	63 25 34,2	19,616	27
1666	Pisces.....	7	48 16,21	3,209	63 25 36,5	19,616	573
1667	Pisces.....	7	48 16,55	3,209	63 25 33,7	19,616	25
1668	Andromeda ..	7	48 20,08	3,297	50 55 36,0	19,615	477
1669	Cetus	9	48 24,11	3,004	103 7 58,6	19,614	247
1670	Andromeda ..	9	48 24,80	3,279	53 18 42,9	19,614	126
1671	Pisces.....	6½	48 25,91	3,132	77 23 17,5	19,613	38
1672	Sculptor.....	8	48 27,73	2,927	116 57 35,6	19,613	559
1673	Andromeda ..	8½	48 29,79	3,294	51 24 28,6	19,612	137
1674	Cassiopea	8½	48 30,61	3,544	30 38 9,3	19,612	372
1675	Andromeda ..	9	48 31,78	3,278	53 24 7,0	19,612	126
1676	Cassiopea	7½	48 32,10	3,775	21 44 4,2	19,611	375
1677	Andromeda ..	6½	48 36,39	3,242	58 35 19,6	19,610	350
1678	Pisces.....	9½	48 36,77	3,102	83 21 44,2	19,610	129
1679	Cassiopea	5	48 37,27	3,508	32 43 2,7	19,610	368
1680	Andromeda ..	7½	48 37,44	+3,371	43 3 40,0	-19,610	305

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1681	Cetus	7	48 37.93	+3,035	96 57 39.7	-19,610	247
1682	Cetus	7	48 38.15	3,035	96 57 38.8	19,610	205
1683	Cetus	7½	48 38.32	3,035	96 57 34.1	19,610	135
1684	Cetus .....φ ⁴	5	48 43.62	3,007	102 27 39.9	19,608	245
1685	Cassiopea	9	48 44.84	3,669	25 12 26.2	19,607	378
1686	Cassiopea	8½	48 46.22	3,419	38 56 34.5	19,607	379
1687	Andromeda ..	7	48 47.54	3,339	46 21 59.3	19,607	120
1688	Andromeda ..	8½	48 47.54	3,339	46 22 7.3	19,607	120
1689	Andromeda ..	7	48 51.03	3,365	43 45 45.8	19,606	249
1690	Andromeda ..	8½	48 51.34	3,361	44 12 22.1	19,606	249
1691	Cetus	7	48 51.68	2,963	110 42 53.1	19,605	391
1692	Cetus	7½	48 51.91	2,963	110 42 52.3	19,605	392
1693	Sculptor.....	4½	48 57.32	2,903	120 26 28.6	19,604	561
1694	Pisces.....	9	49 2.24	3,146	74 57 44.9	19,602	201
1695	Cassiopea	9	49 2.24	3,547	30 43 21.4	19,602	372
1696	Pisces.....	8½	49 5.26	3,239	59 13 34.5	19,601	124
1697	Pisces.....	7½	49 5.28	3,239	59 13 33.9	19,601	307
1698	Cassiopea	9	49 5.57	3,683	24 51 25.9	19,601	369
1699	Cetus	8	49 6.93	3,061	91 45 15.2	19,601	131
1700	Cetus	8	49 10.34	2,964	110 24 38.1	19,600	392
1701	Andromeda ..	7	49 13.34	3,367	43 45 40.8	19,599	249
1702	Andromeda ..	8	49 19.87	3,267	55 23 25.6	19,597	20
1703	Pisces.....	8	49 20.91	3,246	58 16 15.1	19,596	350
1704	Andromeda ..	9	49 23.40	3,187	67 39 34.9	19,596	203
1705	Andromeda ..	8½	49 27.56	3,289	52 30 18.1	19,594	138
1706	Andromeda ..	8	49 28.03	3,283	53 17 25.2	19,594	137
1707	Andromeda ..	7½	49 28.07	3,283	53 17 23.0	19,594	126
1708	Pisces.....	6½	49 28.11	3,097	84 35 50.1	19,594	129
1709	Andromeda ..	7½	49 28.25	3,328	47 58 2.9	19,594	309
1710	Pisces.....	7	49 28.44	3,097	84 35 51.5	19,594	118
1711	Andromeda ..	8	49 28.51	3,328	47 58 6.3	19,594	4
1712	Andromeda ..	7	49 29.85	3,365	44 9 22.1	19,593	249
1713	Cetus	8½	49 31.76	3,042	95 32 8.3	19,593	135
1714	Cetus	8	49 32.83	3,043	95 24 14.9	19,592	135
1715	Pisces.....	9	49 35.33	3,081	87 46 40.7	19,592	122
1716	Cassiopea	8½	49 38.52	3,424	39 1 34.5	19,591	379
1717	Pisces.....	8	49 40.84	3,158	72 52 29.5	19,590	478
1718	Cetus	7	49 44.96	3,022	99 24 24.3	19,589	245
1719	Pisces.....	9	49 45.79	3,125	79 8 47.1	19,588	41
1720	Pisces.....	7½	49 46.91	+3,153	73 51 7.5	-19,588	201

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1721	Cassiopea	8½	49 47.40	+3,789	21 50 39.3	-19,588	375
1722	Andromeda ..	9	49 48.21	3,190	67 23 19.6	19,587	203
1723	Pisces.....	7	49 49.23	3,181	69 49 59.1	19,587	35
1724	Cassiopea	8	49 50.26	3,509	33 15 48.5	19,587	368
1725	Cetus .....	.	49 51.12	3,054	93 5 55.3	19,587	131
1726	Pisces.....	7	49 53.38	3,161	72 23 22.7	19,586	478
1727*	Cassiopea	6½	49 57.02	3,396	41 32 10.6	19,585	305
1728	Cassiopea	8½	49 58.01	3,395	41 36 36.7	19,585	305
1729	Andromeda ..	8	49 58.56	3,353	45 37 39.7	19,584	120
1730	Pisces.....	9½	50 5.35	3,155	73 36 51.2	19,582	201
1731	Pisces.....	9	50 8.11	3,102	83 43 41.9	19,581	129
1732	Pisces.....	9	50 10.03	3,224	62 4 47.2	19,581	573
1733	Cetus	9	50 11.23	2,977	107 43 22.3	19,580	390
1734	Pisces.....	8	50 12.65	3,161	72 33 12.0	19,580	478
1735	Cassiopea	9	50 14.62	3,416	40 2 0.2	19,579	306
1736	Cassiopea	8	50 16.14	3,489	34 44 56.6	19,579	370
1737	Pisces.....	8	50 16.97	3,113	81 35 32.6	19,579	127
1738	Cassiopea	8	50 18.75	3,378	43 22 24.5	19,578	249
1739	Andromeda ..	9	50 21.15	3,302	51 26 54.8	19,577	137
1740	Andromeda ..	8	50 27.58	3,279	54 25 6.9	19,575	126
1741	Cetus	7	50 28.60	3,056	92 44 19.5	19,575	131
1742	Pisces.....	8	50 29.64	3,162	73 14 16.0	19,575	478
1743	Cetus	8	50 30.66	3,001	103 16 29.4	19,574	247
1744	Pisces.....	9	50 30.94	3,089	86 14 46.3	19,574	45
1745	Andromeda ..	8½	50 32.42	3,343	46 58 23.2	19,574	309
1746	Cetus	8½	50 34.94	2,960	110 27 58.5	19,573	392
1747	Andromeda ..	9	50 35.80	3,244	59 15 55.6	19,573	124
1748	Andromeda ..	8½	50 36.17	3,244	59 15 59.9	19,573	307
1749	Cassiopea	7	50 44.97	3,419	40 2 35.2	19,570	306
1750	Andromeda ..	8½	50 45.52	3,221	62 45 37.8	19,570	573
1751	Andromeda ..	9	50 46.11	3,239	59 59 52.3	19,570	124
1752	Cetus	9	50 46.54	3,056	92 39 32.3	19,569	131
1753	Cetus	7	50 46.68	3,015	100 27 17.4	19,569	245
1754	Cetus	7½	50 49.52	2,956	111 10 20.7	19,568	392
1755	Pisces.....	8	50 50.15	3,143	72 32 26.9	19,568	478
1756	Sculptor.....	7½	50 50.31	2,921	116 49 35.9	19,568	559
1757	Pisces.....	9	50 52.14	3,082	87 38 59.6	19,567	122
1758	Cetus .....	.	50 52.56	3,055	92 47 4.7	19,567	131
1759	Cetus	50 52.92	3,040	95 43 26.0	19,567	135
1760	Pisces.....	9	0 50 53.79	+3,126	79 10 5.2	-19,567	41

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1761	Sculptor.....	8½	0 50 56,67	+2,917	117 21 56,2	-19,566	561
1762	Pisces.....	7	50 56,88	3,202	65 47 13,0	19,566	30
1763	Andromeda ..	9	51 9,43	3,346	46 58 25,0	19,562	120
1764	Cetus.....	9	51 15,47	2,962	109 55 11,5	19,560	392
1765	Cassiopea	8½	51 15,51	3,423	40 0 46,8	19,560	369
1766	Cassiopea ...	8	51 16,10	3,432	39 16 52,5	19,560	306
1767	Cassiopea	8	51 16,75	3,432	39 16 46,9	19,560	379
1768	Cassiopea	9	51 16,99	3,545	31 59 14,1	19,560	368
1769	Pisces.....	8	51 17,22	3,101	83 46 26,0	19,559	129
1770	Pisces.....	7	51 17,55	3,115	81 20 7,4	19,559	127
1771	Andromeda ..	9	51 19,67	3,286	53 53 35,6	19,559	126
1772	Andromeda ..	9	51 19,67	3,306	51 26 54,9	19,559	137
1773	Andromeda ..	9	51 19,78	3,306	51 27 9,5	19,559	138
1774	Andromeda ..	8	51 20,56	3,384	43 22 51,5	19,558	249
1775	Andromeda ..	8	51 22,43	3,275	55 23 46,8	19,558	20
1776	Cassiopea	7	51 25,31	3,596	29 29 51,3	19,557	372
1777	Andromeda ..	8	51 25,68	3,305	51 36 2,6	19,556	138
1778	Andromeda ..	8	51 25,82	3,305	51 36 4,0	19,556	137
1779	Cetus.....	8	51 27,88	3,028	97 52 47,6	19,556	247
1780	Cetus.....	8	51 28,13	3,028	97 52 46,7	19,566	205
1781	Cassiopea	8	51 33,03	3,544	32 10 2,3	19,554	368
1782	Cetus.....	9	51 34,05	3,033	97 3 27,6	19,554	135
1783	Andromeda ..	6	51 34,61	3,382	43 42 6,8	19,554	249
1784	Pisces.....	8	51 41,46	3,077	88 33 14,3	19,552	122
1785	Andromeda ..	8½	51 41,92	3,275	55 27 59,9	19,552	20
1786	Andromeda ..	6	51 42,89	3,323	49 44 1,6	19,551	477
1787	Cetus.....	6	51 42,94	2,976	107 20 17,0	19,551	249
1788	Cassiopea	8	51 43,35	3,388	43 13 29,5	19,551	249
1789	Pisces.....	8	51 43,94	3,106	83 8 28,1	19,551	118
1790	Andromeda ..	8	51 45,67	3,342	47 44 23,8	19,550	309
1791	Pisces.....	6½	51 45,81	3,220	63 19 51,4	19,550	573
1792	Pisces.....	•	51 45,83	3,220	63 19 51,2	19,550	27
1793	Andromeda ..	•	51 45,92	3,342	47 44 27,2	19,550	4
1794	Pisces.....	6½	51 46,11	3,220	63 19 47,6	19,550	25
1795	Cassiopea	8	51 51,90	3,470	36 52 12,9	19,548	373
1796*	Pisces σ¹	5½	51 53,85	3,248	59 16 21,7	19,547	124
1797	Pisces σ¹	5½	51 53,95	3,248	59 16 20,9	19,547	307
1798	Pisces σ¹	5	51 54,40	3,248	59 16 21,3	19,547	350
1799	Pisces.....	9½	51 59,51	3,091	86 1 47,1	19,546	45
1800	Pisces.....	8½	0 52 1,29	+3,247	59 29 44,2	-19,545	307

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			h	m	s		°	'	"		
1801	Andromeda ..	7	0	52	3.34	+3,212	64	46	47.3	-19,544	27
1802	Pisces.....	7		52	3.39	3,212	64	46	49.5	19,544	30
1803	Cetus.....	8½		52	3.83	2,933	114	27	46.5	19,544	557
1804	Cassiopea	7		52	5.30	3,591	30	0	16.8	19,544	372
1805	Pisces.....	7		52	5.71	3,111	82	15	19.9	19,543	127
1806	Cassiopea	9		52	10.72	3,814	22	5	6.7	19,542	375
1807	Pisces.....	7		52	13.51	3,112	81	56	38.4	19,541	127
1808	Cassiopea	8		52	18.35	3,519	33	57	37.9	19,539	370
1809	Cassiopea	7		52	21.75	3,449	38	34	18.5	19,538	379
1810	Andromeda ..	9		52	22.95	3,352	47	0	41.1	19,538	120
1811	Cetus.....	7		52	23.01	2,975	107	20	30.0	19,538	390
1812	Cetus.....	8½		52	23.10	2,943	112	41	13.9	19,537	391
1813	Cassiopea	7½		52	24.52	3,404	42	12	47.2	19,537	305
1814	Cassiopea	8		52	24.71	3,535	33	5	48.1	19,537	370
1815	Andromeda ..	8		52	24.75	3,288	54	14	11.9	19,537	126
1816	Cassiopea	6½		52	26.26	3,391	43	26	7.6	19,537	249
1817	Pisces.....	8		52	26.44	3,104	83	34	37.9	19,537	129
1818	Pisces.....	8½		52	28.40	3,151	74	56	12.9	19,536	201
1819	Pisces.....	4		52	34.66	3,106	83	11	22.3	19,534	129
1820	Pisces.....	4		52	34.78	3,106	83	11	22.3	19,534	118
1821	Pisces.....	4		52	34.79	3,106	83	11	22.3	19,534	127
1822	Pisces.....	8		52	36.94	3,134	78	1	34.9	19,533	204
1823	Sculptor.....	8		52	37.26	2,923	115	41	40.7	19,533	391
1824	Cassiopea	6		52	38.77	4,627	11	3	40.3	19,533	351
1825	Cassiopea	9		52	44.53	3,435	39	51	13.0	19,531	306
1826	Pisces.....	8		52	46.50	3,168	72	13	23.5	19,530	478
1827	Pisces.....	8½		52	47.00	3,214	64	46	1.5	19,530	30
1828	Pisces.....	8		52	47.80	3,214	64	45	52.4	19,529	27
1829	Pisces.....	8		52	48.82	3,235	61	34	34.7	19,529	573
1830	Pisces.....	8½		52	52.83	3,197	67	18	26.8	19,528	203
1831	Cassiopea	8		52	53.03	3,417	41	20	56.4	19,528	305
1832	Andromeda ..	8		52	55.47	3,290	54	14	39.0	19,527	126
1833	Cetus.....	6		52	55.90	3,038	95	54	32.6	19,527	135
1834	Andromeda ..	7		52	56.09	3,279	55	36	26.2	19,527	20
1835	Andromeda ..	8		52	56.99	3,306	52	23	18.3	19,526	138
1836	Pisces.....	8½		52	59.93	3,110	82	28	44.2	19,525	127
1837	Andromeda ..	.		53	4.63	3,349	47	44	30.2	19,524	4
1838	Andromeda ..	9		53	5.76	3,349	47	44	19.9	19,524	309
1839	Pisces.....	8		53	7.83	3,081	87	49	17.1	19,523	122
1840	Cassiopea	8	0	53	8.00	+3,725	25	6	17.5	-19,523	369

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1841	Cassiopea	8½	h m s □ 53 8,46	+3,725	25 6 24,6	-19,523	378
1842	Cassiopea	7	53 9,30	3,435	40 4 1,2	19,522	306
1843	Pisces	7½	53 10,32	3,250	59 34 20,3	19,522	307
1844	Cetus	9½	53 13,02	3,056	92 34 14,4	19,521	131
1845	Pisces	9	53 19,90	3,217	64 29 19,0	19,519	27
1846	Pisces	9	53 20,96	3,092	85 50 27,9	19,519	45
1847	Andromeda ..	7	53 24,67	3,319	51 5 6,1	19,517	477
1848	Pisces	8	53 24,69	3,100	84 18 40,0	19,517	129
1849	Pisces	8	53 24,69	3,100	84 18 43,3	19,517	118
1850	Andromeda ..	7½	53 24,83	3,319	51 4 58,7	19,517	137
1851	Andromeda ..	8½	53 31,07	3,310	52 10 42,2	19,515	138
1852	Andromeda ..	9	53 31,65	3,310	52 10 44,5	19,515	137
1853	Cetus	6	53 31,80	3,071	89 42 20,9	19,515	119
1854	Pisces	6	53 33,42	3,238	61 24 41,5	19,514	573
1855	Sculptor	8	53 34,39	2,910	117 15 24,5	19,514	561
1856	Andromeda ..	9	53 37,31	3,320	51 5 23,1	19,513	477
1857	Pisces	8½	53 40,90	3,239	61 21 4,5	19,512	573
1858	Andromeda ..	7½	53 42,27	3,264	57 53 31,9	19,512	350
1859	Andromeda ..	8	53 43,16	3,351	47 48 5,3	19,511	4
1860	Andromeda ..	7½	53 43,24	3,351	47 47 57,0	19,511	309
1861	Andromeda ..	•	53 46,66	3,352	47 43 56,3	19,510	4
1862	Andromeda ..	8½	53 47,26	3,352	47 43 46,9	19,510	309
1863	Cetus	8	53 47,62	3,014	100 12 16,8	19,510	245
1864	Cassiopea	9½	53 48,14	3,830	22 14 31,1	19,509	375
1865	Andromeda ..	9½	53 50,68	3,294	54 15 9,0	19,508	126
1866	Pisces	8½	53 52,16	3,173	71 41 52,7	19,508	478
1867	Pisces	8½	54 0,20	3,109	82 44 19,7	19,505	127
1868	Andromeda ..	•	54 1,11	3,308	52 35 55,7	19,505	138
1869	Andromeda ..	9	54 1,51	3,309	52 35 54,9	19,505	137
1870	Cassiopea	7½	54 1,75	3,546	33 19 3,9	19,505	368
1871	Cassiopea	8	54 2,11	3,545	33 19 7,4	19,505	370
1872	Cassiopea	8½	54 2,68	3,691	26 40 49,1	19,504	378
1873	Cetus	9	54 3,11	3,067	90 27 37,4	19,504	119
1874	Andromeda ..	8½	54 8,31	3,347	48 24 34,5	19,503	309
1875	Pisces	8	54 11,75	3,170	72 10 46,5	19,501	478
1876	Cetus	9	54 16,24	3,035	96 22 56,0	19,500	135
1877	Pisces	8	54 20,70	3,153	75 9 57,4	19,498	201
1878	Pisces	8½	54 25,74	3,103	84 1 26,6	19,497	129
1879	Cetus	7	54 26,93	3,076	88 45 32,9	19,496	122
1880	Cetus	8	□ 54 29,64	+3,034	96 23 50,0	-19,495	135

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1881	Pisces.....	6	h m s 0 54 33.42	+ 3.148	76 7 59.3	- 19.494	38
1882	Pisces.....	7½	54 34.66	3.173	71 52 30.0	19.494	478
1883	Pisces.....	9½	54 35.53	3.107	83 10 48.4	19.493	129
1884	Andromeda ..	8½	54 39.01	3.372	46 17 23.5	19.492	120
1885	Cetus.....	9	54 39.74	3.033	96 32 43.5	19.492	135
1886	Cassiopea	•	54 40.50	3.591	31 12 55.5	19.491	368
1887	Pisces.....	9½	54 40.78	3.129	79 23 49.8	19.491	41
1888	Pisces.....	9	54 41.91	3.127	79 45 25.3	19.491	41
1889	Andromeda ..	8½	54 52.58	3.335	50 6 33.0	19.487	477
1890	Andromeda ..	7½	54 55.46	3.269	57 54 47.0	19.486	350
1891	Cassiopea	7½	54 57.45	3.538	34 7 59.4	19.485	370
1892	Pisces.....	5½	54 58.55	3.188	69 36 3.1	19.485	35
1893	Pisces.....	5½	54 59.50	3.188	69 36 33.1	19.485	35
1894	Cassiopea	6½	55 0.17	3.506	36 3 45.4	19.485	373
1895	Cetus.....	7½	55 2.27	2.942	111 48 29.1	19.484	391
1896	Andromeda ..	8	55 5.01	3.288	55 33 29.2	19.483	20
1897	Cetus.....	7½	55 7.13	2.985	104 49 56.2	19.482	249
1898	Cetus.....	7	55 7.43	2.985	104 49 59.4	19.482	247
1899	Pisces σ^2	6½	55 13.09	3.262	58 53 34.5	19.480	124
1900	Pisces σ^2	5½	55 13.33	3.262	58 53 33.1	19.480	350
1901	Cassiopea	7	55 20.48	3.485	37 34 34.1	19.477	379
1902	Pisces.....	8	55 23.47	3.151	75 41 17.8	19.477	38
1903	Cetus.....	8	55 26.96	2.990	103 58 54.2	19.475	247
1904	Cetus.....	9	55 27.46	3.077	88 35 52.7	19.475	122
1905	Pisces.....	8	55 29.00	3.091	86 9 33.6	19.475	45
1906	Cassiopea	5½	55 29.07	4.660	11 23 47.0	19.475	351
1907	Pisces.....	9	55 30.62	3.255	59 57 19.8	19.474	307
1908	Pisces.....	9	55 31.52	3.096	85 14 49.1	19.474	45
1909	Cetus.....	6	55 36.12	3.007	101 3 5.0	19.472	245
1910	Cassiopea	7	55 37.08	3.437	41 12 4.4	19.472	305
1911	Pisces.....	8½	55 39.67	3.139	77 49 7.0	19.471	204
1912	Andromeda ..	7½	55 42.95	3.287	55 55 41.8	19.470	20
1913	Andromeda ..	7½	55 43.04	3.291	55 30 1.2	19.470	20
1914	Pisces.....	8½	55 43.92	3.245	61 22 34.4	19.469	573
1915	Pisces.....	8	55 47.31	3.082	87 47 53.2	19.468	122
1916	Pisces.....	7½	55 47.46	3.157	74 45 30.9	19.468	201
1917	Cassiopea	7½	55 49.32	3.893	21 23 11.4	19.468	375
1918	Pisces.....	8	55 50.67	3.177	71 39 47.7	19.467	478
1919	Cetus.....	8½	55 51.56	3.039	95 22 48.4	19.467	135
1920	Andromeda ..	8	0 55 51.79	+ 3.376	46 27 21.7	- 19.467	120

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1921	Pisces.....	8	h m s 0 55 55.04	+ 3,201	67° 50' 9.5"	- 19,465	203
1922	Sculptor.....	8	55 56.85	2,898	118 1 45.8	19,465	561
1923	Cetus.....	9	55 57.99	2,988	104 6 46.0	19,464	247
1924	Andromeda ..	7	55 58.16	3,365	47 33 2.2	19,464	4
1925	Andromeda ..	8½	55 58.20	3,318	52 25 20.6	19,464	138
1926	Andromeda ..	7	55 58.51	3,365	47 32 53.9	19,464	309
1927	Cassiopea	9	55 58.84	3,609	30 56 16.4	19,464	368
1928	Pisces.....	9½	55 59.30	3,158	74 42 31.0	19,464	201
1929	Cassiopea	9	55 59.88	3,609	30 56 9.2	19,464	372
1930	Pisces.....	6	56 3.14	3,138	78 7 9.3	19,463	204
1931	Cetus.....	5½	56 3.36	3,007	100 54 49.6	19,463	245
1932	Pisces.....	7½	56 4.09	3,143	77 10 15.1	19,462	204
1933	Andromeda ..	7	56 10.66	3,344	49 48 41.7	19,460	477
1934	Cetus.....	8	56 11.78	3,059	91 49 19.0	19,460	392
1935	Cetus.....	8½	56 11.87	3,059	91 49 23.0	19,460	131
1936	Andromeda ..	8	56 12.72	3,314	53 2 37.4	19,459	137
1937	Andromeda ..	8	56 12.86	3,314	53 2 35.3	19,459	138
1938	Andromeda ..	8	56 13.43	3,314	53 2 32.2	19,459	126
1939	Pisces.....	7	56 14.12	3,111	82 42 30.8	19,459	127
1940	Cassiopea	9	56 16.33	3,518	35 54 55.3	19,458	373
1941	Pisces.....	8	56 16.81	3,114	82 12 27.1	19,458	128
1942	Sculptor.....	8½	56 18.23	2,898	117 48 12.6	19,457	561
1943	Andromeda ..	7½	56 20.59	3,404	44 13 52.5	19,456	249
1944	Cassiopea	6½	56 23.79	3,575	32 48 30.1	19,455	370
1945	Cassiopea	7	56 23.80	3,575	32 48 28.5	19,455	368
1946	Cetus.....	8	56 25.25	3,007	100 50 28.3	19,455	245
1947	Cetus.....	6½	56 25.69	2,917	115 3 54.8	19,455	557
1948	Cetus.....	6	56 26.12	2,917	115 3 51.5	19,455	559
1949	Pisces.....	7	56 27.02	3,182	70 55 19.5	19,454	478
1950	Pisces.....	6	56 27.40	3,182	70 55 12.0	19,454	35
1951	Cassiopea	8	56 29.47	3,505	36 50 24.6	19,453	379
1952	Pisces.....	•	56 29.69	3,113	82 25 9.4	19,453	128
1953	Andromeda ..	7	56 30.09	3,348	49 33 35.4	19,453	477
1954	Cetus.....	9½	56 34.39	3,058	92 0 39.5	19,451	131
1955	Pisces.....	8½	56 34.44	3,130	79 31 16.1	19,451	41
1956	Andromeda ..	5	56 34.54	3,373	47 7 40.9	19,451	4
1957	Andromeda ..	5	56 35.43	3,373	47 7 39.5	19,451	309
1958	Cetus.....	8	56 37.20	3,037	95 43 22.4	19,450	135
1959	Andromeda ..	8	56 45.66	3,363	48 13 32.5	19,447	309
1960	Andromeda ..	9	56 46.06	+ 3,383	46 16 35.5	- 19,447	120

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			h m s	s	° ' "	"	
1961	Cetus	7½	0 56 50.10	+2,972	106 34 53.4	-19,446	249
1962	Cetus	8	56 50.21	3,035	95 58 42.1	19,446	135
1963	Andromeda ..	9	56 51.39	3,349	49 36 41.5	19,446	477
1964	Pisces	9	56 52.09	3,202	51 5 19.7	19,445	203
1965	Cetus	7	56 58.29	3,054	92 48 16.3	19,443	392
1966	Cassiopea	9	56 58.66	3,651	29 31 43.8	19,443	372
1967	Pisces	6	56 59.17	3,267	59 3 28.8	19,442	124
1968*	Pisces	5½	56 59.29	3,267	59 3 27.2	19,442	350
1969	Pisces	6	56 59.52	3,267	59 3 25.9	19,442	307
1970	Cassiopea	8	56 59.86	3,427	42 39 0.8	19,442	305
1971	Pisces	9	57 6.68	3,171	72 53 30.6	19,440	478
1972	Cetus	8	57 9.14	2,927	113 21 33.1	19,439	391
1973	Pisces ψ ²	5½	57 14.71	3,188	70 19 37.2	19,437	35
1974	Pisces	"	57 18.00	3,157	75 12 23.3	19,436	38
1975	Cassiopea	6½	57 18.77	3,877	22 17 26.5	19,436	375
1976	Pisces	8	57 19.05	3,167	73 39 30.6	19,435	201
1977	Pisces	"	57 21.95	3,256	60 38 23.2	19,434	124
1978	Pisces	7	57 22.31	3,244	62 11 58.2	19,434	573
1979	Pisces	6½	57 22.86	3,244	62 11 50.4	19,434	25
1980	Andromeda ..	8½	57 27.08	3,392	45 51 49.2	19,433	120
1981	Cassiopea ...	9	57 29.73	3,738	26 25 2.3	19,432	378
1982	Cetus	7	57 29.83	2,914	115 4 4.8	19,432	557
1983	Cassiopea	8	57 30.31	3,567	33 43 7.1	19,431	370
1984	Cetus	6½	57 30.45	2,914	115 4 1.6	19,431	559
1985	Cassiopea	7	57 30.55	3,841	23 17 27.8	19,431	369
1986	Andromeda ..	8½	57 30.92	3,322	52 48 38.0	19,431	138
1987	Andromeda ..	8½	57 31.31	3,322	52 48 40.3	19,431	137
1988	Andromeda ..	8½	57 34.87	3,323	52 38 13.2	19,430	137
1989	Andromeda ..	8½	57 34.98	3,323	52 38 16.0	19,430	138
1990	Cetus	8	57 35.69	3,036	95 48 58.8	19,429	135
1991	Cassiopea	9	57 41.00	3,664	29 16 27.6	19,428	372
1992	Cetus	7	57 41.26	3,075	89 3 14.7	19,427	119
1993	Cetus	7	57 41.53	3,075	89 3 13.8	19,427	122
1994	Cetus	6	57 42.81	3,006	100 51 32.5	19,427	246
1995	Pisces	8½	57 46.37	3,267	59 22 46.2	19,425	307
1996	Cassiopea	9	57 46.55	3,727	26 53 40.8	19,425	378
1997	Pisces	7½	57 51.77	3,257	60 39 40.5	19,424	307
1998	Pisces	7½	57 52.01	3,257	60 39 45.3	19,424	124
1999	Pisces	8½	57 52.10	3,169	73 24 53.4	19,424	201
2000	Cassiopea	8	0 57 55.21	+3,524	36 20 0.9	-19,422	373

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2001	Pisces.....	6½	0 57 55.42	+3,122	81 9 49.9	-19,422	205
2002	Pisces.....	7½	57 55.56	3,122	81 9 47.4	19,422	41
2003	Andromeda φ	5	57 57.48	3,418	43 49 41.1	19,421	249
2004	Pisces.....	5½	58 4.83	3,097	85 24 40.9	19,419	129
2005	Pisces..... e	6	58 4.86	3,097	85 24 38.6	19,419	118
2006	Pisces..... e	6	58 5.02	3,097	85 24 43.5	19,419	45
2007	Andromeda ..	7½	58 9.24	3,287	57 7 36.6	19,417	20
2008*	Andromeda ..	7	58 11.35	3,294	56 15 46.4	19,416	20
2009	Cetus.....	7	58 11.63	2,991	103 14 24.9	19,416	247
2010	Cassiopea	8½	58 13.13	3,484	39 2 10.5	19,416	379
2011	Cassiopea	7	58 13.63	3,443	42 □ 56.2	19,416	305
2012	Pisces.....	9	58 14.35	3,201	68 41 28.5	19,415	203
2013	Cetus.....	8½	58 20.35	3,051	93 7 44.0	19,413	392
2014	Cetus.....	9	58 21.09	3,051	93 7 46.0	19,413	131
2015	Pisces.....	8½	58 21.76	3,257	60 50 38.6	19,412	307
2016	Cassiopea	8½	58 21.86	3,481	39 19 26.8	19,412	379
2017	Pisces.....	8½	58 21.97	3,258	60 50 42.5	19,412	124
2018	Pisces.....	8½	58 26.03	3,260	60 37 24.3	19,411	124
2019	Pisces.....	8½	58 26.27	3,260	60 37 23.4	19,411	307
2020	Pisces.....	9½	58 27.77	3,108	83 32 50.2	19,410	129
2021	Pisces.....	7½	58 29.22	3,121	81 20 19.4	19,410	41
2022	Pisces.....	7	58 29.36	3,121	81 20 24.1	19,410	205
2023	Cetus..... η	3½	58 30.29	3,003	101 14 42.6	19,409	390
2024	Cetus..... η	3	58 30.60	3,002	101 14 43.7	19,409	250
2025	Cetus..... η	3	58 31.95	3,002	101 14 36.4	19,409	247
2026	Cetus..... η	3	58 32.18	3,002	101 14 37.9	19,409	246
2027	Andromeda ..	8	58 32.89	3,325	52 56 40.3	19,408	138
2028	Andromeda ..	8	58 33.28	3,325	52 56 40.5	19,408	137
2029	Andromeda β	2	58 33.99	3,302	55 26 39.9	19,408	389
2030	Andromeda β	2	58 34.52	3,303	55 26 32.3	19,408	126
2031	Andromeda β	2	58 35.11	3,303	55 26 36.3	19,408	350
2032	Pisces.....	7½	58 37.07	3,205	68 9 48.0	19,407	203
2033	Cassiopea	6½	58 38.61	3,738	26 51 57.9	19,406	378
2034	Pisces.....	8½	58 39.00	3,203	68 29 28.3	19,406	203
2035	Andromeda ..	8½	58 40.91	3,407	45 5 5.1	19,406	249
2036	Pisces.....	8	58 43.88	3,179	72 7 38.5	19,404	478
2037	Cassiopea	8½	58 44.42	3,489	38 56 19.6	19,404	379
2038	Cassiopea	10	58 44.69	3,489	38 56 20.3	19,404	369
2039	Cetus.....	8	58 45.42	3,035	95 47 23.7	19,404	135
2040	Cetus.....	8½	0 58 46.04	+2,909	115 18 46.1	-19,404	559

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2041	Cassiopea	6	h m s 0 58 49.07	+3,764	26 3 3.2	-19,403	378
2042	Cassiopea	7½	58 49.37	3,473	40 3 23.3	19,403	306
2043*	Andromeda ..	7	58 51.65	3,289	57 11 17.7	19,402	20
2044	Andromeda ..	7	58 52.39	3,289	57 11 27.2	19,401	350
2045	Cassiopea	8	58 52.46	3,568	34 47 37.8	19,401	370
2046*	Pisces.....	7	58 52.57	3,212	67 16 27.1	19,401	203
2047	Pisces.....	6½	58 53.45	3,212	67 16 18.4	19,401	30
2048	Cassiopea	8	58 54.95	3,450	41 47 7.9	19,400	305
2049	Cassiopea .. θ	5	59 0.36	3,540	35 55 6.5	19,398	373
2050	Andromeda ..	6	59 0.59	3,366	48 59 12.7	19,398	477
2051	Andromeda ..	5½	59 0.87	3,366	48 59 8.1	19,398	4
2052	Andromeda ..	6	59 1.03	3,366	48 59 7.2	19,398	309
2053	Cetus	9	59 1.13	3,002	101 10 11.7	19,398	244
2054	Cetus	8	59 1.75	3,002	101 10 14.8	19,398	246
2055	Andromeda ..	8	59 8.70	3,427	43 42 30.0	19,395	249
2056	Pisces ψ³	5½	59 9.03	3,184	71 24 40.8	19,395	35
2057	Cetus	8	59 9.49	3,033	96 2 57.5	19,395	135
2058	Cassiopea	7	59 12.15	3,450	41 54 17.0	19,394	305
2059	Andromeda ..	.	59 20.35	3,368	48 56 2.1	19,391	4
2060	Andromeda ..	8½	59 20.51	3,368	48 55 55.1	19,391	309
2061	Andromeda ..	8	59 20.56	3,368	48 55 55.7	19,391	477
2062	Andromeda ..	8	59 21.24	3,377	48 7 33.5	19,391	309
2063	Cassiopea	6	59 21.43	4,806	11 9 40.2	19,391	351
2064	Pisces.....	8½	59 23.34	3,186	71 13 57.6	19,390	35
2065	Pisces.....	8½	59 24.51	3,258	61 11 54.2	19,389	573
2066	Pisces.....	6	59 30.00	3,228	65 16 16.8	19,388	30
2067	Cetus	8½	59 32.01	3,033	96 5 11.6	19,387	135
2068	Pisces.....	6	59 36.43	3,159	75 23 35.7	19,385	38
2069	Pisces.....	7	59 36.49	3,159	75 23 35.1	19,385	201
2070	Pisces.....	6½	59 36.61	3,159	75 23 40.8	19,385	192
2071	Cetus	8	59 37.84	2,992	102 44 51.6	19,384	244
2072	Andromeda ..	7	59 38.58	3,417	44 43 0.1	19,384	249
2073	Andromeda ..	9	59 39.35	3,402	46 0 11.5	19,384	120
2074	Andromeda ..	7½	59 41.81	3,421	44 26 22.7	19,383	249
2075	Pisces.....	8½	59 49.47	3,244	63 12 2.7	19,380	27
2076	Andromeda ..	8	59 54.10	3,361	49 50 34.7	19,378	477
2077	Cetus	9	59 54.48	3,054	92 39 40.2	19,378	131
2078	Pisces.....	8	59 55.28	3,180	72 13 47.7	19,378	478
2079	Cassiopea	8	59 57.47	3,461	41 26 36.6	19,377	305
2080	Andromeda ..	7	0 59 58.39	+3,327	53 20 37.9	-19,377	137

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2081	Cassiopea	9	h m s □ 59 58,51	+3,689	29 10 56,7	-19,377	372
2082	Andromeda ..	7	59 58,62	3,327	53 20 36,6	19,377	126
2083	Cassiopea	9	1 □ 1,49	3,687	29 17 25,9	19,375	372
2084	Cetus	9	□ 1,71	2,975	105 19 22,1	19,375	250
2085	Pisces	8½	□ 4,70	3,282	58 33 7,7	19,374	350
2086	Pisces	6	□ 7,20	3,273	59 38 37,6	19,373	307
2087	Cetus	8½	○ 9,57	3,079	88 30 51,8	19,372	119
2088	Cetus	6	○ 10,00	3,009	99 58 21,4	19,372	246
2089	Cetus	9	□ 10,42	3,079	88 30 55,0	19,372	122
2090	Cetus	7	○ 10,77	3,009	99 58 19,7	19,372	247
2091	Cetus	9	○ 12,75	2,973	105 29 15,8	19,371	250
2092	Andromeda ..	7	○ 16,14	3,407	45 53 48,4	19,370	120
2093	Cetus	6	○ 16,26	3,078	88 37 20,3	19,370	46
2094	Cetus	6	○ 16,28	3,078	88 37 19,1	19,370	119
2095	Cetus	7	○ 16,84	3,078	88 37 14,2	19,370	122
2096	Andromeda ..	7½	□ 20,26	3,360	50 9 5,1	19,368	477
2097	Pisces	8	○ 26,22	3,122	81 31 0,3	19,366	128
2098	Pisces	6	○ 26,49	3,122	81 31 1,9	19,366	118
2099	Sculptor	7½	○ 26,70	2,890	117 15 40,7	19,366	559
2100	Pisces	8	○ 26,75	3,122	81 31 1,4	19,366	41
2101	Pisces	8½	○ 27,33	3,168	74 12 20,5	19,366	201
2102	Sculptor	7	○ 27,62	2,890	117 15 54,0	19,366	561
2103	Pisces	8½	□ 27,90	3,168	74 17 22,2	19,366	192
2104	Andromeda ..	9	○ 29,54	3,373	49 0 35,3	19,365	309
2105	Cassiopea	9	□ 30,28	3,492	39 32 27,8	19,365	306
2106	Cetus	8	□ 31,25	2,960	107 22 32,9	19,364	390
2107	Andromeda ..	8	○ 32,04	3,375	48 50 18,2	19,364	309
2108	Andromeda ..	8½	○ 32,11	3,375	48 50 19,1	19,364	4
2109	Pisces	9	□ 33,78	3,167	74 29 52,5	19,363	192
2110	Cassiopea	7	□ 34,15	3,691	29 21 44,0	19,363	372
2111	Cetus	8	○ 35,66	3,033	95 54 41,2	19,362	135
2112	Pisces	4½	□ 40,35	3,264	60 58 34,0	19,361	573
2113	Pisces	4½	○ 40,49	3,264	60 58 30,9	19,361	307
2114	Pisces	5	□ 40,98	3,264	60 58 28,7	19,360	124
2115	Andromeda ..	9½	□ 41,03	3,332	53 9 38,5	19,360	126
2116	Andromeda ..	8½	□ 41,11	3,364	49 57 43,9	19,360	477
2117	Pisces	4	○ 41,13	3,264	60 58 27,8	19,360	25
2118	Pisces	8½	○ 42,20	3,189	71 9 59,0	19,360	478
2119	Pisces	8½	○ 43,44	3,155	76 22 25,1	19,359	38
2120	Pisces X	4½	1 ○ 43,91	+3,197	70 1 54,1	-19,359	35

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2121	Pisces.....	8	1 0 54.94	+3,209	68 20 37.3	-19,355	203
2122	Cetus.....	9	1 0 96	3,055	92 20 21.6	19,353	131
2123	Pisces.....	8	1 1 21	3,127	80 46 27.4	19,353	41
2124	Pisces.....	6½	1 1 41	3,127	80 46 29.2	19,353	205
2125	Cassiopea	8½	1 1 71	3,602	33 28 37.2	19,353	370
2126	Andromeda ..	9	1 2 75	3,413	45 43 54.2	19,352	120
2127	Cetus.....	9	1 2 83	3,051	93 3 7.1	19,352	392
2128	Cassiopea	8	1 2 83	3,497	39 27 38.2	19,352	379
2129	Cassiopea	8	1 2 99	3,498	39 27 35.7	19,352	306
2130	Cetus.....	9	1 3 50	3,051	93 3 10.5	19,352	133
2131	Andromeda ..	8	1 3 62	3,368	49 45 18.6	19,352	477
2132	Andromeda ..	7	1 24.56	3,300	56 56 40.6	19,344	20
2133	Cetus.....	9	1 27.20	3,030	96 24 29.6	19,343	135
2134	Pisces.....	8	1 28.10	3,284	58 51 21.0	19,342	350
2135	Andromeda ..	8	1 32.59	3,320	54 47 47.9	19,341	126
2136	Cetus.....	6	1 33.28	3,049	93 18 55.7	19,340	392
2137	Cetus.....	6½	1 33.75	3,049	93 19 0.1	19,340	133
2138	Cetus.....	7	1 36.65	2,982	103 54 19.5	19,339	247
2139	Cetus.....	9	1 38.30	3,060	91 30 42.9	19,338	131
2140	Cassiopea	8	1 38.34	3,467	41 47 5.9	19,338	305
2141	Cassiopea	8½	1 48.46	3,634	32 14 57.5	19,334	368
2142	Pisces.....	9	1 49.20	3,284	58 59 28.2	19,334	350
2143	Pisces.....	8	1 49.84	3,140	78 46 51.6	19,334	204
2144	Pisces.....	7½	1 50.45	3,284	58 59 26.2	19,334	350
2145	Andromeda ..	9	1 54.85	3,349	51 59 40.9	19,332	138
2146	Andromeda ..	8	1 57.82	3,371	49 48 41.7	19,331	477
2147	Pisces.....	6½	1 59.27	3,268	61 0 1.4	19,330	573
2148	Pisces.....	6	2 0 49	3,268	60 59 58.9	19,330	307
2149	Pisces.....	6½	2 0 69	3,268	60 59 53.9	19,330	124
2150	Pisces.....	6	2 1 10	3,268	60 59 59.0	19,330	25
2151	Andromeda ..	8	2 2 36	3,435	44 24 22.8	19,329	249
2152	Andromeda ..	8	2 3 10	3,404	46 53 35.4	19,329	120
2153	Pisces.....	8½	2 7.42	3,213	68 13 28.4	19,327	203
2154	Andromeda ..	8	2 9.13	3,303	56 57 56.8	19,326	20
2155	Cassiopea	9	2 10.48	3,687	30 7 20.0	19,326	372
2156	Pisces.....	8½	2 10.78	3,265	61 21 49.4	19,326	573
2157	Andromeda ..	7½	2 12.12	3,371	49 54 47.8	19,325	477
2158	Pisces.....	8	2 12.62	3,170	74 18 3.3	19,325	192
2159	Pisces.....	8½	2 12.72	3,170	74 17 58.8	19,325	201
2160	Cetus.....	6½	1 2 15.71	+3,079	88 35 15.5	-19,324	46

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2161	Cetus	7	1 2 15.87	+3,079	88 35 16.3	-19,324	122
2162	Cetus	7	2 15.91	3,079	88 35 16.2	19,324	119
2163	Pisces	9	2 15.92	3,139	79 4 26.6	19,324	205
2164	Cetus	8	2 17.08	2,993	102 0 18.6	19,323	244
2165	Cetus	8	2 23.62	3,004	100 17 20.8	19,321	246
2166	Pisces	9	2 33.50	3,273	60 33 52.7	19,317	124
2167	Pisces	7	2 34.32	3,267	61 19 34.4	19,317	573
2168	Andromeda ..	9	2 35.74	3,337	53 24 47.9	19,316	126
2169	Pisces	10	2 35.79	3,138	79 18 59.5	19,316	41
2170	Pisces	9	2 36.21	3,138	79 18 55.9	19,316	205
2171	Sculptor	8½	2 36.31	2,883	117 22 22.5	19,316	559
2172	Sculptor	8½	2 37.12	2,883	117 22 31.3	19,315	561
2173	Pisces	8	2 37.91	3,137	79 22 55.9	19,315	205
2174	Pisces	9	2 38.30	3,137	79 22 55.6	19,315	41
2175	Pisces	7½	2 41.56	3,241	64 36 34.9	19,313	27
2176	Cetus	6½	2 44.07	3,020	97 50 53.4	19,313	247
2177	Andromeda ..	7	2 49.61	3,477	41 37 58.8	19,310	305
2178	Cetus	8	2 50.52	2,927	111 31 19.0	19,310	391
2179	Andromeda ..	7½	2 52.51	3,309	56 34 7.2	19,310	20
2180	Pisces	7½	2 52.70	3,240	64 49 12.2	19,309	27
2181	Pisces	φ 5	2 54.82	3,227	66 28 48.0	19,309	30
2182	Pisces	8½	3 0.96	3,267	61 29 24.5	19,306	573
2183	Andromeda ..	8	3 2.04	3,452	43 30 52.2	19,305	249
2184	Cetus	7½	3 12.07	3,047	93 36 51.0	19,302	133
2185	Andromeda ..	9	3 14.56	3,396	48 8 51.6	19,301	4
2186	Pisces	8½	3 15.41	3,120	82 5 24.4	19,300	41
2187	Pisces	ζ 5	3 17.44	3,111	83 29 6.6	19,299	128
2188	Pisces	ζ 4½	3 17.79	3,111	83 29 8.6	19,299	129
2189	Pisces	7	3 19.36	3,111	83 28 26.6	19,299	129
2190	Pisces	7	3 19.42	3,111	83 28 59.6	19,299	128
2191	Pisces	7½	3 20.12	3,276	60 31 11.5	19,298	124
2192	Andromeda ..	7½	3 23.36	3,442	44 25 57.9	19,297	249
2193	Pisces	9	3 23.90	3,125	81 19 16.3	19,297	41
2194	Cassiopea	9	3 24.11	3,724	29 9 7.1	19,297	372
2195	Andromeda ..	8½	3 25.62	3,359	51 36 47.9	19,296	137
2196	Andromeda ..	8½	3 25.91	3,359	51 36 43.7	19,296	138
2197	Pisces	6	3 31.47	3,168	74 55 43.4	19,294	192
2198	Pisces	6½	3 31.54	3,168	74 55 41.7	19,294	201
2199	Cassiopea	8½	3 33.93	3,517	39 19 17.6	19,293	306
2200	Cassiopea	10	1 3 34.04	+3,517	39 19 14.3	-19,293	369

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2201	Andromeda ..	8	1 3 38,58	+3,403	47 40 34,4	-19,291	309
2202	Andromeda ..	8	3 42,96	3,386	49 15 35,7	19,290	309
2203	Pisces.....	9	3 43,58	3,189	71 56 5,5	19,289	34
2204	Cetus.....	8½	3 52,51	3,013	98 41 1,0	19,286	247
2205	Cetus.....	8	3 53,06	3,049	93 10 37,5	19,285	392
2206	Andromeda ..	8½	3 53,86	3,452	43 55 58,5	19,285	249
2207	Pisces.....	8	3 54,39	3,244	64 36 54,0	19,285	27
2208	Cetus.....	9	4 2,82	3,049	93 14 27,6	19,282	392
2209	Cetus.....	6	4 6,30	2,974	104 32 23,9	19,280	247
2210	Andromeda ..	9	4 8,00	3,352	52 34 30,6	19,279	137
2211	Andromeda ..	9	4 8,09	3,352	52 34 31,5	19,279	138
2212	Cassiopea	9	4 8,56	3,582	35 47 3,0	19,279	373
2213	Cassiopea	9	4 11,04	3,588	35 30 49,8	19,278	373
2214	Andromeda ..	9½	4 16,05	3,345	53 18 59,9	19,276	126
2215	Cetus.....	8½	4 17,81	3,011	98 59 23,0	19,275	246
2216	Pisces.....	6½	4 18,49	3,108	84 3 57,6	19,275	128
2217	Pisces.....	6	4 18,80	3,108	84 3 57,6	19,275	129
2218	Andromeda ..	8	4 19,26	3,404	47 55 8,6	19,275	309
2219	Andromeda ..	-	4 19,61	3,404	47 55 2,4	19,274	4
2220	Cetus.....	6½	4 19,69	3,011	99 0 5,1	19,274	247
2221	Cetus.....	6	4 19,71	3,011	99 0 5,2	19,274	246
2222	Pisces.....	8½	4 23,85	3,126	81 19 9,7	19,273	205
2223	Pisces.....	8½	4 23,91	3,126	81 19 11,5	19,273	41
2224	Cetus.....	8	4 24,47	3,030	96 6 10,1	19,273	135
2225	Pisces.....	9	4 27,52	3,218	68 11 41,4	19,271	203
2226	Cetus.....	6	4 36,80	3,056	92 2 50,1	19,268	392
2227	Cetus.....	6	4 36,93	3,056	92 2 52,3	19,268	131
2228	Cetus.....	6	4 37,33	3,056	92 2 48,9	19,267	119
2229	Cetus.....	8½	4 39,38	2,997	101 1 50,7	19,266	244
2230	Andromeda ..	6½	4 40,87	3,469	42 58 40,2	19,266	305
2231	Pisces.....	7	4 44,81	3,201	70 38 42,2	19,264	35
2232	Cassiopea	8	4 47,56	4,820	12 1 49,1	19,263	351
2233	Cassiopea	7½	4 47,60	3,935	23 19 33,6	19,263	369
2234	Cassiopea	8	4 48,24	3,938	23 14 34,3	19,263	375
2235	Cetus.....	9	4 49,29	2,907	113 30 29,7	19,262	557
2236	Andromeda ..	8½	4 51,13	3,378	50 24 42,4	19,262	477
2237	Cetus.....	8	4 57,50	2,946	108 18 7,0	19,259	390
2238	Cetus.....	8	5 1,17	2,956	106 52 42,5	19,258	250
2239	Cetus.....	7	5 1,35	2,956	106 52 53,2	19,257	390
2240	Cetus.....	9	1 5 2,15	+2,906	113 35 15,4	-19,257	557

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2241	Andromeda ..	6½	1 5 2,29	+3,405	48 7 6,8	-19,257	309
2242	Andromeda ..	6½	5 2,55	3,405	48 7 17,8	19,257	4
2243	Andromeda ..	8	5 3,64	3,382	50 10 29,2	19,257	477
2244	Pisces.....	7½	5 4,46	3,206	70 0 11,5	19,256	35
2245	Cassiopea	7½	5 4,76	3,637	33 25 42,5	19,256	370
2246	Cassiopea	9	5 7,05	3,602	35 8 27,6	19,255	373
2247	Pisces.....	7½	5 8,05	3,202	70 33 23,2	19,255	35
2248	Pisces.....	8	5 9,70	3,108	84 6 18,7	19,254	129
2249	Pisces.....	6½	5 12,15	3,243	65 16 24,1	19,253	27
2250	Andromeda ..	6	5 12,35	3,305	57 56 11,1	19,253	350
2251	Pisces.....	7	5 12,62	3,242	65 17 31,4	19,253	30
2252	Andromeda ..	9	5 14,07	3,466	43 29 32,3	19,252	249
2253	Pisces.....	8	5 17,76	3,171	74 52 15,4	19,251	192
2254	Pisces.....	7½	5 18,11	3,171	74 52 11,6	19,251	38
2255	Pisces.....	8	5 19,40	3,127	81 16 44,5	19,250	41
2256	Pisces.....	8	5 19,75	3,127	81 16 39,6	19,250	41
2257	Andromeda ..	9	5 19,77	3,337	54 37 33,1	19,250	126
2258	Cetus.....	7½	5 19,79	3,069	90 8 52,9	19,250	119
2259	Pisces.....	7	5 20,02	3,127	81 16 40,7	19,250	205
2260	Cassiopea	9	5 22,31	3,739	29 20 32,6	19,249	372
2261	Cassiopea	7½	5 26,94	3,619	34 25 35,7	19,247	370
2262	Andromeda ..	8	5 28,90	3,336	54 45 8,2	19,246	126
2263	Andromeda ..	7	5 30,87	3,432	46 9 21,9	19,246	120
2264	Cassiopea	9	5 32,70	3,862	25 27 12,5	19,245	378
2265	Cetus.....	8	5 33,49	2,907	113 21 30,7	19,244	391
2266	Cetus.....	8	5 33,83	2,907	113 21 36,2	19,244	557
2267	Pisces.....	8½	5 37,75	3,172	74 53 32,5	19,242	192
2268	Pisces.....	7½	5 38,13	3,172	74 53 33,6	19,242	38
2269	Andromeda ..	8	5 38,61	3,359	52 35 52,8	19,242	138
2270	Pisces.....	7	5 38,67	3,226	67 28 11,8	19,242	203
2271	Cassiopea	8	5 38,90	3,597	35 36 59,1	19,242	373
2272	Cassiopea	9½	5 41,81	3,747	29 10 32,4	19,241	372
2273	Cetus.....	9	5 42,89	2,938	109 14 37,6	19,241	464
2274	Pisces.....	9	5 43,68	3,226	67 30 50,8	19,240	203
2275	Andromeda ..	8	5 45,56	3,399	49 0 5,6	19,239	309
2276	Cetus.....	8½	5 47,23	2,997	100 50 50,4	19,239	246
2277	Cassiopea	7½	5 50,86	3,648	33 15 19,2	19,237	370
2278	Pisces.....	9	5 50,91	3,189	72 32 14,5	19,237	34
2279	Andromeda ..	8	5 54,77	3,501	41 18 18,6	19,236	305
2280	Andromeda ..	7½	1 5 56,16	+3,371	51 34 46,0	-19,235	138



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2281	Pisces.....	8½	1 5 56,39	+3,295	59 18 16,6	-19,235	124
2282	Pisces.....	8	5 57,60	3,294	59 18 22,6	19,235	350
2283	Andromeda ..	7½	5 59,30	3,491	42 2 59,3	19,234	305
2284	Cetus	9	6 1,14	3,030	96 0 38,0	19,233	135
2285	Pisces.....	8½	6 5,56	3,263	63 4 21,4	19,231	25
2286	Pisces.....	8½	6 6,17	3,263	63 4 28,9	19,231	573
2287	Andromeda ..	7½	6 7,19	3,432	46 25 40,3	19,230	120
2288	Andromeda ..	8	6 13,44	3,473	43 22 41,2	19,228	249
2289	Andromeda ..	8	6 16,51	3,331	55 37 25,3	19,227	20
2290	Sculptor.....	6½	6 16,82	2,892	115 1 54,7	19,226	559
2291	Pisces.....	8	6 16,89	3,081	■ 19 25,4	19,226	46
2292	Pisces.....	7	6 20,50	3,296	59 18 53,7	19,225	124
2293	Pisces.....	6½	6 20,59	3,296	59 19 1,6	19,225	350
2294	Andromeda ..	8	6 20,64	3,390	50 2 45,0	19,225	477
2295	Cetus	8½	6 23,13	3,030	95 55 19,8	19,224	135
2296	Pisces.....	9	6 23,47	3,096	■ 9 9,5	19,224	45
2297	Cetus	7	6 26,07	2,980	103 9 20,3	19,223	247
2298	Cetus	8	6 26,46	2,980	103 9 19,1	19,223	244
2299	Andromeda ..	6	6 26,59	3,471	43 38 20,4	19,223	249
2300	Cetus	6	6 26,86	3,046	93 33 23,5	19,222	392
2301	Cetus	6	6 27,59	3,046	93 33 22,3	19,222	133
2302	Cassiopea	9	6 31,21	3,750	29 21 46,7	19,220	372
2303	Cassiopea	6	6 38,69	4,824	12 19 42,4	19,217	351
2304	Andromeda ..	9	6 39,69	3,412	48 14 46,1	19,217	4
2305	Andromeda ..	7	6 40,40	3,418	47 46 36,6	19,217	309
2306	Andromeda ..	9	6 41,86	3,477	43 15 31,1	19,216	249
2307	Pisces.....	9	6 42,88	3,134	80 27 35,5	19,215	41
2308	Cetus	7	6 44,71	3,047	93 19 48,0	19,215	392
2309	Cetus	7	6 45,03	3,047	93 19 53,7	19,215	133
2310	Cassiopea	9½	6 53,14	3,750	29 28 39,8	19,211	372
2311	Pisces.....	9½	6 56,96	3,222	68 21 13,8	19,210	203
2312	Pisces.....	7	6 58,54	3,160	76 48 53,3	19,209	38
2313	Pisces.....	8½	6 58,64	3,265	63 6 36,0	19,209	573
2314	Pisces.....	9	6 59,02	3,265	63 6 22,5	19,209	25
2315	Andromeda ..	8½	6 59,46	3,368	52 16 21,6	19,209	138
2316	Cetus	9	6 59,94	2,920	111 10 56,3	19,208	391
2317	Andromeda ..	7½	7 1,82	3,415	48 6 39,0	19,208	4
2318	Cetus	8	7 2,72	3,075	89 13 1,1	19,207	119
2319	Andromeda ..	8½	7 9,85	3,384	50 49 55,9	19,204	477
2320	Cetus	8	1 7 11,54	+2,943	108 8 44,2	-19,204	390

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2321	Andromeda ..	8½	1	7	11,84	+3,451	45	23	25,3	-19,204	120
2322	Pisces.....	8		7	13,67	3,253	64	36	19,4	19,203	27
2323	Cassiopea	9		7	14,67	4,025	22	2	24,4	19,202	375
2324	Pisces.....	9½		7	17,98	3,133	80	45	14,2	19,201	205
2325	Cassiopea	9		7	21,96	3,631	34	35	59,0	19,199	370
2326	Cassiopea	8		7	22,96	3,670	32	50	52,9	19,199	368
2327	Andromeda ..	8		7	24,35	3,453	45	21	6,3	19,198	120
2328	Cetus.....	8½		7	26,91	3,070	89	54	32,7	19,197	119
2329	Pisces.....f	5½		7	29,23	3,087	87	26	33,0	19,196	46
2330	Andromeda ..	7		7	29,23	3,355	53	40	12,5	19,196	126
2331	Andromeda ..	7		7	29,48	3,319	57	17	56,7	19,196	20
2332	Andromeda ..	7		7	29,95	3,383	51	5	29,2	19,196	477
2333	Andromeda ..	9½		7	30,21	3,383	51	5	35,8	19,196	137
2334	Andromeda ..	7½		7	30,90	3,319	57	18	4,5	19,196	350
2335	Cetus.....	9½		7	31,11	3,030	95	52	2,8	19,195	135
2336	Cassiopea .. φ	5		7	35,18	3,672	32	49	25,9	19,194	368
2337	Cassiopea	9		7	35,96	3,868	25	58	26,4	19,193	378
2338	Cetus.....	7½		7	39,47	3,010	98	43	4,4	19,192	247
2339	Pisces.....	8		7	41,22	3,192	72	28	50,6	19,191	34
2340	Cetus.....	8½		7	41,44	2,939	108	35	39,1	19,191	390
2341	Cassiopea	9		7	42,56	3,988	22	59	12,5	19,190	375
2342	Andromeda ..	7		7	44,42	3,317	57	32	26,0	19,190	20
2343	Andromeda ..	7½		7	45,37	3,317	57	32	27,8	19,189	350
2344	Cetus.....	8		7	47,63	2,977	103	23	48,7	19,188	247
2345	Cassiopea	7½		7	53,26	3,856	26	23	51,8	19,186	378
2346	Pisces.....	8		7	56,14	3,232	67	24	35,9	19,185	203
2347	Pisces.....	8½		8	0,60	3,277	62	4	13,0	19,183	573
2348	Andromeda ..	8½		8	9,65	3,388	50	55	37,1	19,179	477
2349	Cassiopea	8		8	9,95	3,555	38	55	19,7	19,179	379
2350	Cassiopea	9½		8	10,65	3,555	38	55	23,5	19,178	369
2351	Pisces.....	8		8	17,24	3,280	61	50	19,8	19,176	573
2352	Andromeda ..	7½		8	19,16	3,425	47	50	44,7	19,175	309
2353	Andromeda ..	7½		8	19,79	3,425	47	50	55,9	19,174	4
2354	Cassiopea	8		8	23,44	3,551	39	13	17,0	19,173	379
2355	Cassiopea	8½		8	23,61	3,551	39	13	14,6	19,173	306
2356	Cassiopea	8½		8	25,24	3,609	36	5	8,8	19,172	373
2357	Cassiopea	8½		8	27,29	3,635	34	50	46,5	19,171	370
2358	Pisces.....v	4½		8	29,74	3,263	63	47	27,2	19,170	27
2359	Pisces.....u	5		8	31,28	3,264	63	47	24,1	19,169	132
2360	Pisces.....	8½	1	8	31,81	+3,240	66	38	45,8	-19,169	30

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2361	Pisces.....	9	1	8	31.98	+3,094	86	24	5.4	-19,169	45
2362	Andromeda ..	9		8	32.69	3,436	47	6	5.0	19,169	120
2363	Pisces.....	8		8	32.69	3,114	83	37	27.3	19,169	129
2364	Andromeda ..	7		8	35.10	3,411	49	4	55.8	19,168	309
2365	Cassiopea	7½		8	39.53	3,549	39	27	38.2	19,166	379
2366	Cassiopea	8		8	39.84	3,549	39	27	35.9	19,166	306
2367	Cassiopea	9½		8	40.96	3,553	39	13	14.9	19,166	369
2368	Cetus.....	8		8	41.35	2,889	114	33	5.3	19,166	557
2369	Pisces.....	8		8	43.25	3,191	72	54	48.3	19,165	34
2370	Andromeda ..	7½		8	43.82	3,431	47	32	50.5	19,164	4
2371	Andromeda ..	7		8	43.86	3,431	47	32	42.5	19,164	309
2372	Pisces.....	8		8	43.87	3,191	72	54	50.6	19,164	192
2373	Andromeda ..	9		8	46.37	3,379	51	57	33.6	19,163	138
2374	Cetus.....	7		8	47.31	2,893	114	4	2.2	19,163	391
2375	Cetus.....	7		8	47.36	2,893	114	4	0.5	19,163	557
2376	Cassiopea	9		8	47.39	3,642	34	38	36.3	19,163	370
2377	Andromeda ..	8½		8	48.88	3,353	54	24	55.2	19,162	126
2378	Cassiopea	10		8	48.95	3,867	26	23	3.9	19,162	378
2379	Cetus.....	8		8	49.49	2,968	104	27	13.0	19,162	247
2380	Cassiopea	9		8	49.73	4,025	22	29	15.1	19,162	375
2381	Cassiopea	8½		8	50.73	3,606	36	25	31.1	19,161	373
2382	Cassiopea	8		8	54.46	3,558	39	3	51.9	19,160	379
2383	Cetus.....	9		9	1.41	2,894	113	52	43.6	19,157	557
2384	Cetus.....	9		9	1.43	2,894	113	52	47.7	19,157	391
2385	Pisces.....	8½		9	2.38	3,121	82	39	38.1	19,156	41
2386	Andromeda ..	8½		9	2.54	3,481	43	59	33.8	19,156	249
2387	Cetus.....	9		9	2.98	3,000	99	58	5.3	19,156	246
2388	Pisces.....	9		9	8.75	3,114	83	33	49.3	19,154	129
2389	Pisces.....	9		9	8.93	3,139	80	5	52.5	19,153	205
2390	Sculptor.....	8½		9	10.15	2,862	117	34	42.6	19,153	561
2391	Pisces.....	8½		9	10.25	3,148	78	54	29.3	19,153	204
2392	Andromeda ..	9½		9	16.59	3,352	54	38	42.4	19,150	126
2393	Pisces.....	8½		9	20.73	3,105	84	53	36.4	19,148	129
2394	Cetus.....	9		9	29.80	3,025	96	22	52.4	19,144	135
2395	Andromeda ..	8		9	32.31	3,432	47	49	7.8	19,143	309
2396	Andromeda ..	7½		9	32.35	3,432	47	49	26.0	19,143	4
2397	Cetus.....	6		9	35.15	3,059	91	33	45.2	19,142	392
2398	Cassiopea	9		9	38.42	3,691	32	45	50.1	19,140	368
2399	Andromeda ..	8½		9	38.52	3,371	53	1	11.5	19,140	138
2400	Pisces.	8	1	9	39.55	+3,192	72	55	52.4	-19,140	34

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2401	Pisces.....	8	^h ^m ^s 1 9 39,66	^s +3,192	[°] ['] ["] 72 55 50,8	["] -19,140	192
2402	Andromeda ..	8	9 43,58	3,500	42 58 21,3	19,138	305
2403	Andromeda ..	6½	9 54,50	3,533	40 55 51,3	19,133	305
2404	Pisces.....	9	9 55,56	3,129	81 31 41,4	19,133	41
2405	Andromeda ..	7½	9 55,72	3,533	40 55 48,3	19,133	306
2406	Sculptor.....	8½	9 55,74	2,874	115 59 53,4	19,133	559
2407	Pisces.....	7½	10 2,72	3,175	75 21 24,7	19,132	38
2408	Cetus.....	6	10 3,55	2,992	100 56 1,8	19,129	244
2409	Cetus.....	6½	10 4,10	2,992	100 56 1,9	19,129	246
2410	Pisces.....	9½	10 4,19	3,158	77 35 5,8	19,129	204
2411	Pisces.....	9	10 5,17	3,194	72 50 19,4	19,129	34
2412	Pisces.....	5	10 5,67	3,281	62 18 35,2	19,128	573
2413	Pisces.....	5½	10 5,80	3,281	62 18 36,7	19,128	25
2414	Pisces.....	9	10 6,25	3,194	72 50 17,7	19,128	192
2415	Pisces.....	8	10 7,25	3,250	65 53 20,8	19,128	30
2416	Cetus.....	7	10 7,76	2,948	106 51 47,3	19,128	463
2417	Andromeda ..	7½	10 7,79	3,490	43 46 15,7	19,128	249
2418	Andromeda ..	8½	10 7,98	3,485	44 9 27,0	19,128	249
2419	Pisces.....	8½	10 9,13	3,282	62 14 58,1	19,127	573
2420	Pisces.....	8½	10 14,93	3,282	62 14 41,1	19,125	573
2421	Pisces.....	9	10 16,32	3,144	79 35 34,7	19,124	41
2422	Cetus.....	8½	10 23,54	2,910	111 31 39,8	19,121	464
2423	Pisces.....	7½	10 25,50	3,228	58 40 36,4	19,120	203
2424	Cetus.....	6½	10 25,68	3,039	94 18 6,4	19,120	133
2425	Cassiopea	9	10 25,74	3,564	39 16 30,8	19,120	306
2426	Cetus.....	6	10 31,84	2,981	102 17 17,7	19,117	244
2427	Cetus.....	9	10 34,79	2,971	102 30 45,7	19,116	244
2428	Andromeda ..	7	10 36,19	3,442	47 28 3,5	19,116	4
2429	Andromeda ..	6½	10 36,54	3,442	47 28 7,5	19,115	309
2430	Andromeda .ζ	4½	10 37,93	3,468	45 31 23,6	19,114	120
2431	Cetus.....	7½	10 40,75	3,053	92 21 47,1	19,113	392
2432	Pisces.....	8	10 40,97	3,248	66 13 48,3	19,113	30
2433	Cassiopea	8	10 43,62	3,697	32 54 7,5	19,112	368
2434	Cetus.....	8	10 45,99	2,914	110 59 28,9	19,111	464
2435	Pisces.....	7	10 47,39	3,145	79 30 46,9	19,110	205
2436	Cetus.....	7½	10 48,63	2,961	104 56 36,6	19,110	247
2437	Pisces.....	9½	10 53,59	3,112	84 4 51,3	19,107	129
2438	Pisces.....	8	10 57,41	3,230	68 30 52,4	19,106	203
2439	Pisces.....	7½	11 3,12	3,311	59 20 42,2	19,103	124
2440	Pisces.....	7½	1 11 3,30	+3,311	59 20 44,8	-19,103	350

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2441	Cetus	6½	1 11 12,61	+3,018	97 12 37,2	-19,099	247
2442	Cetus	•	11 12,87	3,018	97 12 31,8	19,099	135
2443	Sculptor.....	7½	11 14,15	2,869	116 9 12,8	19,098	559
2444	Pisces.....	8½	11 15,40	3,132	81 20 49,3	19,098	41
2445	Pisces.....	9	11 16,94	3,249	66 23 27,7	19,097	30
2446	Pisces.....	8	11 23,30	3,177	75 15 30,6	19,094	192
2447	Pisces.....	8	11 23,44	3,286	62 11 48,1	19,094	573
2448	Pisces.....	7½	11 23,59	3,177	75 15 34,5	19,094	38
2449	Pisces.....	7	11 24,57	3,153	78 26 47,0	19,094	204
2450	Pisces.....	7	11 26,33	3,200	72 22 7,0	19,093	34
2451	Pisces.....	8	11 27,00	3,251	66 11 22,4	19,092	30
2452	Andromeda ..	8	11 35,83	3,471	45 43 0,9	19,088	120
2453	Cetus	8	11 37,27	3,048	93 2 44,6	19,088	392
2454	Andromeda ..	8	11 38,74	3,497	43 52 43,9	19,087	249
2455	Pisces.....	8	11 39,60	3,266	64 29 9,6	19,087	27
2456	Pisces.....	9	11 40,32	3,154	78 23 19,9	19,087	204
2457	Pisces.....	8	11 43,32	3,186	74 13 19,0	19,085	192
2458	Andromeda ..	8	11 43,43	3,410	50 26 19,5	19,085	477
2459	Pisces.....	8	11 45,05	3,290	61 51 29,8	19,085	573
2460	Andromeda ..	9	11 45,41	3,378	53 11 56,3	19,084	137
2461	Andromeda ..	8½	11 45,63	3,378	53 12 9,8	19,084	138
2462	Pisces.....	7½	11 48,08	3,315	59 12 30,1	19,083	124
2463	Pisces.....	7½	11 48,16	3,315	59 12 30,6	19,083	350
2464	Andromeda ..	8	11 53,03	3,517	42 40 21,0	19,081	305
2465	Cassiopea	8½	11 54,54	3,685	33 51 0,9	19,080	370
2466	Andromeda ..	7½	11 58,01	3,364	54 32 2,6	19,079	126
2467	Andromeda ..	8	11 58,28	3,364	54 32 4,6	19,078	132
2468	Cassiopea .. ψ	5½	11 59,09	4,047	22 55 9,2	19,078	369
2469	Cassiopea .. ψ	6	11 59,44	4,047	22 55 11,0	19,078	375
2470	Andromeda ..	8	12 0,34	3,330	57 45 40,1	19,077	350
2471	Pisces.....	8	12 2,80	3,189	73 51 17,4	19,077	192
2472*	Cassiopea	8½	12 6,29	3,565	39 52 25,3	19,075	306
2473	Pisces.....	8½	12 10,95	3,100	85 47 47,8	19,073	45
2474	Sculptor.....	8	12 11,51	2,875	115 10 51,0	19,073	559
2475	Andromeda ..	6½	12 16,52	3,378	53 20 2,0	19,070	137
2476	Andromeda ..	6½	12 16,60	3,378	53 20 4,0	19,070	138
2477	Andromeda ..	5	12 19,02	3,344	56 48 35,5	19,069	20
2478	Andromeda ..	8½	12 19,58	3,518	42 45 38,2	19,069	305
2479	Cetus	7	12 19,62	3,075	89 19 17,0	19,069	119
2480	Cetus	7	1 12 19,65	+3,075	89 19 18,9	-19,069	46

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			h m s	s			
2481	Pisces.....	9	1 12 20.45	+3,251	66 26 6.8	-19,069	30
2482	Pisces.....	8	12 20.92	3,250	66 31 48.0	19,069	30
2483	Pisces.....	7	12 21.27	3,145	79 40 49.3	19,068	205
2484	Cetus.....	6½	12 21.55	3,059	91 29 57.1	19,068	392
2485	Pisces.....	7½	12 22.45	3,096	86 18 37.8	19,068	45
2486	Cetus.....	7½	12 25.15	3,034	94 50 58.2	19,067	390
2487	Pisces.....	9	12 25.36	3,126	82 19 13.0	19,067	41
2488	Pisces.....	9	12 25.56	3,217	70 29 10.9	19,066	35
2489	Pisces.....	9	12 26.59	3,309	60 6 1.0	19,066	124
2490	Andromeda ..	8	12 30.16	3,405	51 7 25.3	19,064	477
2491	Pisces.....	7½	12 30.19	3,116	83 38 37.9	19,064	129
2492	Pisces.....	6	12 38.29	3,217	70 34 48.0	19,060	35
2493	Pisces.....	8	12 38.38	3,129	81 51 38.2	19,060	41
2494	Pisces.....	9½	12 40.01	3,237	68 5 36.0	19,059	203
2495	Sculptor.....	9	12 40.21	2,849	117 55 57.1	19,059	561
2496	Andromeda ..	6½	12 41.33	3,446	47 54 25.0	19,059	309
2497	Andromeda ..	7	12 41.97	3,446	47 54 26.4	19,059	4
2498	Cetus.....	7	12 49.00	2,917	110 7 39.1	19,056	464
2499	Cassiopea .. δ	3	12 49.69	3,770	30 48 37.5	19,055	368
2500	Cassiopea .. δ	4½	12 50.45	3,770	30 48 34.9	19,055	372
2501	Pisces.....	8½	12 54.62	3,264	65 7 13.8	19,053	27
2502	Andromeda ..	9	13 4.12	3,524	42 43 52.1	19,048	305
2503	Cassiopea	9	13 5.24	4,043	23 17 40.8	19,048	369
2504	Cetus.....	8	13 5.37	2,896	112 28 38.4	19,048	391
2505	Pisces.....	7½	13 7.03	3,196	73 13 44.5	19,047	192
2506	Pisces.....	7	13 7.06	3,196	73 13 39.2	19,047	34
2507	Andromeda ..	8	13 8.07	3,505	43 55 40.0	19,047	249
2508	Cassiopea	9	13 11.63	3,581	39 21 49.9	19,045	306
2509	Pisces.....	9	13 13.07	3,122	82 51 30.8	19,045	129
2510	Cetus.....	8	13 14.84	2,937	107 31 35.7	19,044	463
2511	Cetus.....	8	13 14.87	2,936	107 36 43.1	19,044	463
2512	Pisces.....	9	13 17.57	3,151	79 5 28.0	19,042	204
2513	Andromeda ..	8½	13 22.82	3,365	54 58 45.1	19,040	132
2514	Andromeda ..	8	13 23.22	3,365	54 58 46.1	19,040	126
2515	Cetus.....	8	13 26.26	2,898	112 10 33.6	19,038	391
2516	Pisces.....	8	13 27.66	3,322	59 2 41.5	19,038	350
2517	Andromeda ..	5½	13 33.02	3,452	47 45 53.4	19,035	4
2518	Andromeda ..	9	13 33.84	3,453	47 45 39.9	19,035	309
2519	Cetus.....	8½	13 34.58	2,955	105 15 28.5	19,034	247
2520	Cetus.....	8	1 13 37.35	+2,924	108 59 1.3	-19,034	464

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2521	Cetus	8½	1 13 37,51	+2,957	104 58 17,2	-19,033	247
2522	Cassiopea	9	13 43,45	3,924	26 19 56,7	19,030	378
2523	Andromeda ..	8	13 44,48	3,415	50 43 54,8	19,030	477
2524	Pisces.....	9	13 44,51	3,293	62 11 14,7	19,030	25
2525	Pisces.....	8	13 44,93	3,293	62 11 20,0	19,030	573
2526	Cetus	8	13 47,28	3,019	96 51 17,1	19,029	135
2527	Pisces.....	9	13 49,14	3,322	59 10 18,9	19,028	350
2528	Andromeda ..	8	13 49,22	3,363	55 18 47,5	19,028	132
2529	Andromeda ..	8	13 49,25	3,363	55 18 46,4	19,028	126
2530	Andromeda ..	7½	13 49,31	3,509	43 55 45,0	19,028	249
2531	Pisces.....	8	13 52,49	3,290	62 34 35,4	19,027	573
2532	Andromeda ..	8	13 55,70	3,475	46 15 37,6	19,025	120
2533	Andromeda ..	8	13 55,73	3,544	41 48 52,3	19,025	305
2534	Pisces.....	8	13 58,08	3,217	70 53 14,5	19,024	35
2535	Cetus	5	13 58,82	3,002	99 3 8,2	19,024	246
2536	Cetus	7	13 58,83	3,002	99 3 8,2	19,023	247
2537	Pisces.....	8	13 59,32	3,110	84 32 56,4	19,023	129
2538	Pisces.....	8	13 59,68	3,110	84 33 48,4	19,023	129
2539	Cetus	6	14 0,05	3,002	99 2 57,2	19,023	133
2540	Cassiopea	8	14 0,14	3,981	24 58 7,5	19,023	378
2541	Cetus 0	3	14 1,39	3,001	99 13 11,9	19,022	244
2542	Cetus 0	3	14 1,71	3,001	99 13 9,9	19,022	246
2543	Cetus 0	4	14 1,81	3,001	99 13 13,7	19,022	247
2544	Cetus 0	4½	14 1,82	3,001	99 13 6,6	19,022	135
2545	Cetus 0	3	14 2,17	3,001	99 13 7,3	19,022	131
2546	Sculptor.....	6	14 2,24	2,868	115 24 4,2	19,022	557
2547	Cetus 0	3	14 2,70	3,001	99 13 5,7	19,022	133
2548	Sculptor.....	6½	14 2,80	2,868	115 24 4,4	19,022	559
2549	Andromeda ..	9	14 3,79	3,366	55 4 59,3	19,021	132
2550	Andromeda ..	8½	14 4,30	3,366	55 5 1,2	19,021	126
2551	Pisces.....	6½	14 4,42	3,291	62 28 9,4	19,021	25
2552	Pisces.....	7	14 5,45	3,291	62 28 15,3	19,020	574
2553	Cetus	8½	14 9,98	3,047	93 31 8,8	19,018	392
2554	Andromeda ..	8	14 12,68	3,422	50 20 35,4	19,017	477
2555	Cassiopea	8	14 16,93	3,616	37 54 51,2	19,015	389
2556	Cassiopea	9	14 17,20	3,616	37 54 55,7	19,015	379
2557	Pisces.....	9	14 19,13	3,241	68 4 39,2	19,014	203
2558	Pisces.....	8	14 22,07	3,320	59 34 0,7	19,013	124
2559	Andromeda ..	8	14 22,19	3,372	54 41 46,9	19,013	126
2560	Pisces.....	9	1 14 23,15	+3,325	59 3 46,6	-19,012	350

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2561	Pisces.....	8	1 14 26,60	+3,321	59 29 53,6	-19,010	124
2562	Pisces.....	.	14 26,61	3,319	59 44 41,8	19,010	124
2563	Cetus.....	7½	14 28,67	3,055	92 1 0,5	19,010	392
2564	Pisces.....	7½	14 31,64	3,219	70 41 44,4	19,008	35
2565	Andromeda ..	8½	14 32,68	3,419	50 41 52,8	19,008	477
2566	Cassiopea	9	14 32,75	3,788	30 45 35,2	19,008	372
2567	Pisces.....	9	14 34,84	3,109	84 47 8,7	19,007	129
2568	Pisces.....	8	14 35,24	3,087	87 41 47,4	19,006	46
2569	Andromeda ..	6	14 36,38	3,460	47 35 7,8	19,006	309
2570	Andromeda ..	5½	14 36,57	3,460	47 35 9,4	19,006	4
2571	Andromeda ..	7	14 38,31	3,445	48 43 55,8	19,005	309
2572	Pisces.....	8	14 39,17	3,186	74 47 18,2	19,005	192
2573	Andromeda ..	9	14 39,43	3,527	43 4 3,4	19,005	249
2574	Cetus.....	6	14 39,47	3,041	93 53 36,0	19,005	390
2575	Pisces.....	7	14 41,43	3,247	67 32 4,2	19,004	206
2576	Pisces.....	7	14 41,80	3,247	67 31 54,7	19,003	203
2577	Andromeda ..	9	14 44,70	3,474	46 41 12,0	19,002	120
2578	Andromeda ..	8½	14 45,46	3,412	51 23 11,8	19,002	138
2579	Pisces.....	9½	14 46,44	3,103	85 35 28,8	19,001	45
2580	Andromeda ..	7	14 48,18	3,354	56 27 38,6	19,000	132
2581	Cetus.....	6	14 51,21	2,941	106 42 16,3	18,999	250
2582	Cetus.....	7½	14 56,46	3,017	96 59 30,7	18,997	135
2583	Andromeda ..	7	14 58,93	3,466	47 21 5,6	18,995	309
2584	Andromeda ..	7	14 59,11	3,466	47 21 12,1	18,995	4
2585	Pisces.....	9½	14 59,20	3,326	59 8 6,6	18,995	350
2586	Andromeda ..	.	15 3,04	3,494	45 22 4,9	18,994	120
2587*	Cetus.....	8	15 6,81	3,073	89 34 51,8	18,992	119
2588	Sculptor.....	8½	15 19,31	2,832	118 52 15,6	18,986	561
2589	Pisces.....	8	15 21,94	3,084	88 4 23,1	18,984	47
2590	Pisces.....	9	15 24,51	3,163	77 49 51,6	18,983	204
2591	Pisces.....	7½	15 27,20	3,141	80 38 17,8	18,982	205
2592	Cassiopea	8	15 27,65	3,599	39 14 7,3	18,982	389
2593	Pisces.....	9	15 34,15	3,194	73 54 48,8	18,979	192
2594	Pisces.....	6	15 35,17	3,219	70 58 14,9	18,978	35
2595	Pisces.....	8½	15 36,49	3,286	63 29 22,6	18,978	27
2596	Pisces.....	8½	15 36,78	3,307	61 16 53,1	18,978	574
2597	Pisces.....	6½	15 42,48	3,283	63 47 37,1	18,975	27
2598	Cetus.....	6½	15 43,97	3,032	94 58 12,7	18,974	390
2599	Andromeda ..	8½	15 44,43	3,358	56 24 13,6	18,974	132
2600	Andromeda ..	5	1 15 44,90	+3,494	45 37 53,0	-18,974	305

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			h m s	s	° ' "	"	
2601	Cassiopea	9	1 15 44.97	+3,732	33 13 13.8	-18,974	370
2602	Andromeda ω	5	15 45.01	3,494	45 37 55.1	18,974	120
2603	Andromeda ..	8	15 45.26	3,416	51 23 12.9	18,974	137
2604	Andromeda ..	7	15 46.65	3,355	56 39 57.1	18,973	132
2605	Cetus	5	15 47.13	2,948	105 38 39.9	18,973	250
2606	Cetus	7	15 54.86	2,997	99 32 50.5	18,969	246
2607	Sculptor.....	8	15 59.12	2,860	115 45 29.5	18,967	559
2608	Cetus	9	16 8.19	3,060	91 15 58.9	18,963	392
2609	Andromeda ..	8	16 10.02	3,533	43 17 18.8	18,962	305
2610	Andromeda ..	7½	16 10.10	3,533	43 17 22.7	18,962	249
2611	Pisces.....	7½	16 11.57	3,309	61 16 10.1	18,961	574
2612	Cetus	8½	16 11.69	3,058	91 29 29.4	18,961	392
2613	Cassiopea	7½	16 12.05	3,970	25 52 20.1	18,961	378
2614	Cetus	6½	16 13.61	3,059	91 26 31.3	18,960	392
2615	Andromeda ..	6½	16 14.07	3,427	50 42 25.9	18,960	477
2616	Pisces.....	9½	16 14.43	3,190	74 38 12.0	18,960	192
2617	Andromeda ..	8½	16 18.93	3,360	56 24 50.6	18,957	132
2618	Cassiopea	8	16 19.02	3,797	31 24.2	18,957	368
2619	Cassiopea	8	16 20.18	3,797	31 0 17.8	18,957	372
2620	Pisces.....	8½	16 20.26	3,317	60 31 52.7	18,957	124
2621	Andromeda ..	9	16 21.19	3,475	47 9 54.1	18,957	4
2622	Cetus	7½	16 21.64	3,045	93 14 44.5	18,956	390
2623	Cassiopea	9	16 25.51	3,677	35 45 44.6	18,954	373
2624	Andromeda ..	7	16 27.71	3,478	46 59 39.9	18,954	4
2625	Pisces.....	9	16 28.71	3,149	79 40 28.6	18,953	205
2626	Cetus	7	16 29.37	2,876	113 50 25.9	18,953	391
2627	Pisces.....	5	16 29.73	3,213	71 52 23.8	18,953	34
2628	Cetus	7	16 30.12	2,876	113 50 40.8	18,952	557
2629	Pisces.....	7	16 31.21	3,332	59 4 14.6	18,952	350
2630	Cassiopea	8½	16 33.41	3,608	39 9 33.3	18,951	389
2631	Cassiopea	7	16 33.94	4,226	20 46 18.4	18,951	375
2632	Pisces.....	7½	16 33.96	3,089	87 30 21.3	18,951	45
2633	Cassiopea	9	16 38.81	4,020	24 47 57.0	18,948	369
2634	Andromeda ..	8	16 39.24	3,461	48 15 33.6	18,948	309
2635	Cetus	8	16 44.14	3,060	91 11 45.5	18,946	119
2636	Cetus	9	16 47.38	2,995	99 37 53.9	18,944	246
2637	Cassiopea	7½	16 48.48	3,606	39 21 27.0	18,944	306
2638	Andromeda ..	8½	16 49.32	3,496	45 53 24.5	18,943	120
2639	Cassiopea	9	16 49.51	3,606	39 21 26.3	18,943	369
2640	Cassiopea	7	1 16 50.09	+3,606	39 21 27.5	-18,943	389

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			h m s	s	° ' "	"	
2641	Andromeda ..	8	1 16 51.55	+3.504	45 24 31.0	-18,942	120
2642	Cassiopea	8	16 52.95	3.809	30 47 21.0	18,941	368
2643	Andromeda ..	7	16 54.53	3.456	48 46 7.0	18,940	309
2644	Pisces.....	9	16 54.78	3.115	84 4 45.0	18,940	129
2645	Pisces.....	5	16 54.88	3.214	71 48 1.8	18,940	34
2646	Pisces.....	8½	16 55.57	3.272	65 21 33.8	18,940	30
2647	Pisces.....	9	16 56.95	3.091	87 14 3.9	18,940	45
2648	Cetus.....	6	16 59.84	2.959	104 6 3.1	18,938	247
2649	Andromeda ..	8	17 0.61	3.390	53 58 13.5	18,938	126
2650	Cassiopea	8	17 3.36	3.805	30 57 22.8	18,937	372
2651	Cassiopea	7½	17 3.91	4.018	24 56 30.1	18,936	378
2652	Cassiopea	7	17 4.04	4.018	24 56 30.3	18,936	369
2653	Pisces.....	7½	17 9.33	3.320	60 28 44.8	18,934	124
2654	Pisces.....	7	17 9.55	3.320	60 28 47.9	18,933	25
2655	Cetus.....	8	17 9.68	3.062	90 58 59.2	18,933	119
2656	Pisces.....	8½	17 19.79	3.188	75 2 55.8	18,928	192
2657	Pisces.....	8½	17 19.91	3.188	75 2 30.2	18,928	38
2658	Cassiopea	8	17 21.74	3.799	31 15 33.7	18,927	368
2659	Cassiopea	8	17 22.34	3.799	31 15 27.1	18,927	372
2660	Cetus.....	8	17 25.20	2.895	111 31 36.3	18,926	464
2661	Andromeda ..	8½	17 29.18	3.387	54 24 36.9	18,924	126
2662	Cetus.....	7	17 29.59	2.989	100 20 13.6	18,924	246
2663	Andromeda ..	9	17 33.20	3.428	53 5 18.4	18,922	138
2664	Andromeda ..	9	17 36.65	3.403	53 6 36.5	18,920	138
2665	Pisces	7½	17 39.54	3.197	73 57 36.1	18,919	192
2666	Cetus.....	9	17 42.18	3.046	93 1 35.0	18,918	392
2667	Cetus.....	8	17 43.94	3.060	91 10 58.8	18,917	392
2668	Andromeda ..	8	17 44.06	3.460	48 45 21.1	18,917	4
2669	Andromeda ..	7	17 44.64	3.460	48 45 20.0	18,916	309
2670	Cetus.....	7	17 45.68	3.046	93 4 28.1	18,916	392
2671	Cetus.....	7	17 46.46	2.895	111 24 40.4	18,916	464
2672	Cetus.....	7½	17 47.24	3.034	94 36 47.9	18,915	390
2673	Andromeda ..	7½	17 48.11	3.388	54 24 43.0	18,915	126
2674	Cetus.....	6	17 48.17	2.877	113 22 31.9	18,915	391
2675	Cetus.....	6	17 48.47	2.975	101 56 38.0	18,915	244
2676	Cetus.....	6½	17 48.48	2.877	113 22 34.2	18,915	557
2677	Pisces.....	7	17 54.47	3.124	83 4 42.8	18,912	41
2678	Cassiopea	8	17 57.73	4.231	21 1 6.9	18,910	375
2679	Pisces.....	9	17 59.47	3.124	83 4 57.8	18,909	41
2680	Andromeda ..	9½	1 18 5.94	+3.531	44 3 57.4	-18,906	249

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			h	m	s		°	'	"		
2681	Cassiopea	8	1	18	6.37	+4,142	22	37	32.6	-18,906	375
2682	Pisces.....	8		18	6.44	3,239	69	19	23.0	18,906	35
2683	Sculptor.....	8½		18	6.85	2,848	116	22	23.4	18,906	559
2684	Andromeda . A	5		18	10.31	3,532	44	1	48.4	18,904	249
2685	Andromeda . A	5		18	10.47	3,532	44	1	46.5	18,904	305
2686	Cetus.....	8½		18	12.80	3,014	97	7	2.5	18,903	135
2687	Pisces.....	8		18	16.63	3,328	60	3	19.5	18,901	124
2688	Andromeda ..	8½		18	19.27	3,459	49	2	19.0	18,900	477
2689	Pisces.....	9		18	20.60	3,160	78	34	7.8	18,899	204
2690	Cetus.....	7½		18	21.16	2,921	108	18	8.7	18,899	463
2691	Pisces.....	.		18	21.95	3,313	61	29	34.2	18,898	574
2692	Cetus.....	6½		18	22.93	2,964	103	17	6.4	18,898	247
2693	Cassiopea	9		18	22.98	3,863	29	29	10.4	18,898	372
2694	Pisces.....	8		18	23.77	3,272	65	45	51.5	18,897	30
2695	Cetus.....	6½		18	24.03	2,878	113	4	46.3	18,897	557
2696	Cetus.....	8		18	24.97	2,893	111	28	20.0	18,897	464
2697	Sculptor.....	8		18	25.13	2,850	116	5	8.2	18,897	391
2698	Pisces.....	8½		18	34.04	3,228	70	33	24.7	18,892	35
2699	Andromeda ..	8½		18	35.72	3,458	49	10	46.2	18,892	477
2700	Sculptor.....	7		18	36.60	2,829	118	9	24.5	18,891	561
2701	Pisces.....	8		18	36.65	3,329	60	1	50.5	18,891	124
2702	Pisces.....	7		18	37.61	3,119	83	44	32.9	18,890	43
2703	Pisces.....	7		18	37.81	3,119	83	44	33.7	18,890	129
2704	Cassiopea	9		18	40.12	3,860	29	39	34.7	18,889	372
2705	Cassiopea	9		18	40.20	4,091	23	47	11.3	18,889	369
2706	Pisces.....	9		18	41.29	3,138	81	21	34.1	18,889	205
2707	Cassiopea	9		18	42.03	3,865	29	30	49.5	18,888	372
2708	Cetus.....	8		18	42.79	2,969	102	34	16.0	18,888	244
2709	Andromeda ..	8½		18	44.76	3,503	46	5	37.8	18,887	120
2710	Pisces.....	7		18	46.66	3,250	68	12	38.3	18,886	206
2711	Pisces.....	8		18	47.08	3,250	68	12	39.8	18,886	203
2712	Pisces.....	8		18	50.89	3,160	78	38	58.0	18,884	204
2713	Pisces.....	9		18	50.92	3,160	78	38	58.6	18,884	39
2714	Andromeda ..	7		18	53.95	3,576	41	41	30.2	18,883	305
2715	Cetus.....	9		18	57.03	3,016	96	44	24.5	18,881	135
2716	Pisces.....	9		18	57.18	3,200	73	56	21.1	18,881	192
2717	Pisces.....	.		18	59.18	3,315	61	31	44.3	18,880	574
2718	Pisces.....	8		19	2.73	3,305	62	32	30.2	18,878	574
2719	Cetus.....	9		19	3.84	3,007	97	53	15.1	18,878	247
2720	Pisces.....	6	1	19	6.50	+3,211	72	40	54.3	-18,876	34

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2721	Cetus	8½	19 11,32	+3,036	94 14 13,1	-18,874	390
2722	Cetus	7	19 14,12	2,914	108 58 36,0	18,873	463
2723	Cetus	7	19 14,14	2,914	108 58 41,6	18,873	464
2724	Andromeda ..	8	19 18,79	3,487	47 25 3,8	18,870	4
2725	Andromeda ..	8	19 18,94	3,487	47 25 0,0	18,870	309
2726	Sculptor.....	6½	19 18,95	2,850	115 50 10,9	18,870	559
2727	Pisces.....	9	19 19,84	3,143	80 48 19,4	18,870	205
2728	Andromeda ..	8	19 29,05	3,431	51 32 36,4	18,865	138
2729	Andromeda ..	9	19 33,62	3,367	56 51 42,3	18,863	132
2730	Pisces.....	9½	19 35,40	3,193	74 48 17,6	18,862	192
2731	Cetus	8½	19 35,67	3,058	91 28 35,6	18,862	392
2732	Cassiopea	8	19 38,08	3,674	37 1 3,3	18,861	389
2733	Pisces.....	8	19 38,31	3,281	65 7 27,6	18,860	27
2734	Cassiopea	8	19 39,54	3,641	38 34 6,7	18,860	389
2735	Pisces.....μ	6	19 42,54	3,110	84 53 30,9	18,859	43
2736	Pisces.....μ	5½	19 42,91	3,110	84 53 30,4	18,858	45
2737	Pisces.....μ	5½	19 42,98	3,110	84 53 25,5	18,858	129
2738	Pisces.....	9	19 46,22	3,151	79 56 46,4	18,856	205
2739	Cetus	8	19 48,42	3,017	96 38 1,4	18,856	135
2740	Cetus	7	19 50,91	2,954	104 15 28,3	18,854	247
2741	Cassiopea	9	19 52,05	4,180	22 21 6,7	18,854	375
2742	Andromeda ..	8	19 54,65	3,423	52 16 5,1	18,853	138
2743	Andromeda ..	8½	19 57,88	3,533	44 38 13,0	18,851	249
2744	Cetus	5½	19 59,92	2,879	112 40 7,2	18,850	557
2745	Cetus	5	19 59,92	2,879	112 40 3,7	18,850	391
2746	Cassiopea	9	20 5,18	4,171	22 34 19,9	18,847	375
2747	Pisces.....	7	20 7,86	3,317	61 36 58,8	18,846	25
2748	Pisces.....	7	20 8,23	3,317	61 37 4,3	18,846	574
2749	Cetus	9	20 15,30	3,072	89 40 34,8	18,842	119
2750	Andromeda ..	8½	20 17,60	3,613	40 12 37,5	18,841	310
2751	Cassiopea	8	20 21,09	4,201	22 5 31,4	18,839	375
2752	Cetus	9½	20 21,47	2,897	110 38 6,0	18,839	464
2753	Cetus	8	20 24,52	2,869	113 33 36,2	18,837	557
2754	Andromeda ..	8	20 25,22	3,456	49 58 12,1	18,837	477
2755	Pisces.....	9	20 25,84	3,109	85 3 39,8	18,837	129
2756	Pisces.....	8½	20 29,68	3,203	73 52 52,3	18,835	192
2757	Cassiopea	7½	20 33,17	3,787	32 42 24,8	18,833	368
2758	Pisces.....	9	20 34,02	3,331	60 24 27,0	18,833	124
2759	Cassiopea	8	20 43,16	3,723	35 12 57,7	18,828	370
2760	Cassiopea	8½	20 43,47	+3,723	35 13 4,7	-18,828	373

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2761	Andromeda ..	8	1 20 44,21	+3,420	52 45 48,6	-18,828	138
2762	Andromeda ..	7	20 45,70	3,378	56 14 6,0	18,827	133
2763	Pisces..... η	4½	20 48,12	3,187	75 41 23,5	18,826	38
2764	Cetus.....	9	20 51,72	3,075	89 22 35,2	18,824	119
2765	Cassiopea	8½	20 52,94	3,704	36 5 22,6	18,823	373
2766	Cetus.....	8	20 54,00	3,021	95 59 48,7	18,823	135
2767	Sculptor.....	6	20 57,28	2,831	117 14 43,1	18,821	561
2768	Cassiopea .. χ	■	20 57,96	3,816	31 48 4,9	18,821	368
2769	Pisces.....	7	21 9,23	3,150	80 8 44,8	18,815	205
2770	Cetus.....	7½	21 9,25	3,004	98 3 58,8	18,815	247
2771	Cetus.....	8½	21 12,57	2,985	100 20 38,0	18,813	246
2772	Pisces.....	8	21 17,60	3,202	74 4 30,7	18,811	192
2773	Cetus.....	8½	21 18,70	2,973	101 45 58,7	18,810	244
2774	Andromeda ..	8½	21 19,74	3,421	52 55 38,8	18,810	138
2775	Pisces.....	9½	21 19,86	3,150	80 14 20,9	18,810	205
2776	Andromeda ..	.	21 22,55	3,393	55 11 19,1	18,808	133
2777	Andromeda ..	7	21 23,04	3,393	55 11 16,0	18,808	126
2778	Pisces.....	.	21 23,26	3,143	81 2 42,3	18,808	41
2779	Andromeda ..	8	21 26,02	3,501	47 8 14,0	18,807	120
2780	Pisces.....	9	21 27,54	3,158	79 11 43,9	18,806	204
2781	Andromeda ..	8½	21 32,39	3,428	52 27 40,4	18,803	139
2782	Cetus.....	9	21 33,11	2,912	108 43 26,6	18,803	463
2783	Cetus.....	8½	21 34,18	2,981	100 44 8,6	18,802	246
2784	Sculptor.....	6½	21 36,16	2,830	117 14 39,9	18,801	559
2785	Pisces.....	9	21 38,54	3,157	79 20 18,2	18,800	204
2786	Cetus.....	9½	21 41,00	3,021	95 59 37,8	18,799	135
2787	Cetus.....	6½	21 44,62	2,959	103 17 39,8	18,797	247
2788	Cetus.....	7	21 44,89	2,959	103 17 35,4	18,797	244
2789	Andromeda ..	7½	21 53,76	3,460	50 7 48,2	18,792	477
2790	Pisces.....	8	21 54,24	3,091	87 20 54,7	18,792	47
2791	Cetus.....	8	21 54,92	2,899	110 3 25,8	18,792	464
2792	Pisces.....	8	21 54,94	3,091	87 20 53,8	18,792	45
2793	Sculptor.....	9	21 55,18	2,809	119 8 14,1	18,792	561
2794	Andromeda ..	8½	21 56,24	3,462	50 2 9,1	18,791	477
2795	Pisces.....	7	21 57,96	3,159	79 9 1,9	18,790	204
2796	Pisces.....	8	21 58,37	3,159	79 9 5,6	18,790	205
2797	Pisces.....	10	21 59,05	3,203	74 3 44,6	18,790	192
2798	Cetus.....	7	21 59,10	3,006	97 45 10,0	18,790	247
2799	Cetus.....	8½	21 59,52	2,899	110 4 7,8	18,789	464
2800	Cetus.....	9	1 22 1,95	+3,074	89 27 32,5	-18,788	119

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2801	Cassiopea	9	1	22	5,99	+3,995	26	52	55,7
2802	Pisces.....	9		22	6,86	3,322	61	45	46,4
2803	Cassiopea	8		22	7,59	4,153	23	24	52,5
2804	Pisces.....	8		22	8,00	3,322	61	45	52,5
2805	Pisces.....	8		22	8,10	3,192	75	24	36,4
2806	Pisces.....	8½		22	9,33	3,171	77	52	18,0
2807	Cetus	9		22	14,16	2,910	108	44	13,7
2808	Andromeda ..	8		22	17,32	3,601	41	28	2,1
2809	Andromeda ..	8		22	18,20	3,509	46	56	16,9
2810	Andromeda ..	9		22	21,19	3,415	53	41	45,8
2811	Cetus	9		22	24,69	2,939	105	31	29,8
2812	Pisces.....	8½		22	25,01	3,334	60	38	27,2
2813	Cetus	8½		22	27,63	2,912	108	33	55,7
2814	Andromeda ..	.		22	28,02	3,394	55	25	21,5
2815	Andromeda ..	9		22	31,85	3,484	48	39	3,7
2816	Pisces.....	8		22	32,04	3,265	67	26	22,0
2817	Cetus	8½		22	35,56	2,975	101	19	50,0
2818	Sculptor.....	7		22	37,44	2,853	114	40	37,6
2819	Andromeda ..	9		22	42,05	3,535	45	26	7,8
2820	Cassiopea	8		22	43,74	3,744	34	59	8,9
2821	Cassiopea	8		22	44,24	3,744	34	59	14,8
2822	Andromeda ..	6½		22	46,46	3,416	53	47	37,0
2823	Andromeda ..	8		22	49,19	3,437	52	11	8,4
2824	Pisces.....	7		22	50,01	3,129	82	49	19,2
2825	Pisces.....	7½		22	50,02	3,129	82	49	18,2
2826	Pisces.....	9½		22	50,92	3,153	80	2	46,8
2827	Cassiopea	9		22	55,55	3,869	30	48	59,5
2828	Cassiopea	7		22	55,55	3,682	37	41	3,9
2829	Andromeda ..	8½		22	55,99	3,507	47	15	24,3
2830	Andromeda ..	8		22	56,00	3,507	47	15	33,0
2831	Sculptor.....	8		22	56,57	2,822	117	35	3,3
2832	Cetus	9		22	57,70	3,046	92	49	20,8
2833	Pisces.....	8½		23	1,15	3,213	73	10	43,6
2834	Cetus	6½		23	5,72	2,986	100	2	51,2
2835	Pisces.....	8		23	10,55	3,152	80	7	15,0
2836	Cetus	9		23	10,66	2,864	113	26	47,9
2837	Cassiopea	9		23	11,48	3,843	31	34	8,1
2838	Andromeda ..	8		23	12,47	3,391	55	55	6,0
2839	Cassiopea		23	13,82	3,659	38	51	55,0
2840	Andromeda ..	9½	1	23	19,68	+3,542	45	12	7,6
									-18,748

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2841	Cassiopea	9½	1 23 21,16	+4,272	21 34 59,5	-18,747	375
2842	Cetus	8	23 25,81	2,895	110 11 9,9	18,745	464
2843	Cassiopea	9	23 25,86	4,168	23 26 8,8	18,745	369
2844	Cetus	8½	23 26,21	3,046	92 53 45,0	18,745	392
2845	Andromeda ..	8½	23 32,68	3,490	48 37 59,3	18,741	309
2846	Pisces	8	23 38,53	3,326	61 47 24,4	18,738	574
2847	Andromeda ..	7	23 39,13	3,369	57 54 16,2	18,738	198
2848	Cetus	5	23 39,33	3,002	98 3 4,1	18,738	247
2849	Cassiopea	8	23 40,32	3,852	31 24 4,0	18,737	368
2850	Pisces	9	23 43,37	3,096	86 54 3,4	18,736	45
2851	Sculptor	7	23 43,57	2,845	115 11 59,9	18,736	558
2852	Sculptor	7	23 43,77	2,845	115 12 0,3	18,736	559
2853	Cetus	8½	23 46,16	3,043	93 11 35,7	18,735	392
2854	Cetus	8½	23 46,54	3,043	93 11 28,7	18,734	390
2855	Pisces	9½	23 47,85	3,153	80 6 41,0	18,734	205
2856	Cassiopea	8½	23 51,31	3,720	36 19 58,3	18,732	373
2857	Pisces	8	23 52,48	3,325	61 55 41,5	18,731	574
2858	Andromeda ..	9½	23 53,55	3,370	57 55 6,2	18,731	198
2859	Pisces	6½	23 57,29	3,236	70 51 15,8	18,728	35
2860	Cassiopea	8	23 59,14	4,040	26 17 19,7	18,728	378
2861	Andromeda ..	7	24 0,04	3,567	43 54 53,7	18,727	249
2862	Pisces	6	24 0,69	3,220	72 33 55,7	18,727	34
2863	Cassiopea . . . .	.	24 2,94	3,889	30 19 59,3	18,726	372
2864	Cetus	7½	24 3,64	3,069	90 4 4,1	18,725	119
2865	Andromeda ..	9½	24 5,38	3,456	51 11 33,8	18,725	139
2866	Andromeda ..	7½	24 7,67	3,473	49 57 7,7	18,723	140
2867	Andromeda ..	6½	24 8,02	3,473	49 57 9,6	18,723	477
2868	Cassiopea	8½	24 8,72	4,076	25 29 30,0	18,723	378
2869	Pisces	9	24 13,09	3,350	59 44 26,8	18,720	124
2870	Pisces	8½	24 15,00	3,168	78 28 11,1	18,719	39
2871	Pisces	8	24 15,30	3,168	78 28 11,4	18,719	204
2872	Cassiopea	8	24 15,48	3,657	39 16 44,0	18,719	310
2873	Pisces	9	24 16,45	3,168	78 28 11,4	18,718	204
2874	Pisces	10	24 16,50	3,168	78 28 11,1	18,718	39
2875	Cetus	8	24 17,13	2,875	112 3 38,5	18,718	391
2876	Andromeda ..	6½	24 17,54	3,598	42 18 14,0	18,718	305
2877	Andromeda ..	8½	24 17,89	3,457	51 8 45,7	18,718	139
2878	Pisces	9	24 17,96	3,326	61 57 55,6	18,718	574
2879	Andromeda ..	7	24 19,09	3,573	43 42 8,5	18,717	249
2880	Cetus	8	1 24 21,52	+2,989	99 29 3,1	-18,716	246

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2881	Pisces.....	8	1 24 21,64	+ 3,301	64 20 13,1	- 18,716	27
2882	Andromeda ..	9	24 23,20	3,535	45 58 28,2	18,715	120
2883	Pisces.....	8	24 24,03	3,131	82 45 10,3	18,715	43
2884	Cassiopea	9	24 24,17	3,866	31 8 48,8	18,715	368
2885	Pisces.....	8	24 24,35	3,131	82 45 15,3	18,715	41
2886	Andromeda ..	9	24 25,19	3,533	46 6 11,4	18,714	120
2887	Cassiopea	9	24 25,50	3,657	39 21 34,2	18,714	310
2888	Sculptor.....	8	24 26,75	2,809	118 23 40,3	18,713	561
2889	Pisces.....	8	24 28,63	3,318	62 45 33,2	18,712	25
2890	Andromeda ..	7½	24 29,35	3,380	57 11 6,2	18,712	133
2891	Pisces.....	6½	24 29,38	3,318	62 45 35,3	18,712	574
2892	Cassiopea	9	24 35,22	4,195	23 12 21,7	18,709	369
2893	Cetus.....	6½	24 36,44	3,044	93 3 37,5	18,708	392
2894	Cetus.....	7½	24 36,87	3,044	93 3 41,5	18,708	390
2895	Andromeda ..	8	24 37,87	3,428	53 25 14,9	18,707	126
2896	Andromeda ..	7½	24 38,18	3,593	42 42 43,4	18,707	305
2897	Cetus.....	6	24 43,73	3,030	94 41 8,6	18,704	390
2898	Cassiopea	8½	24 44,96	3,736	35 57 24,2	18,703	373
2899	Andromeda ..	.	24 45,16	3,534	46 10 23,4	18,703	120
2900	Cassiopea	9	24 49,54	3,852	31 43 37,6	18,701	368
2901	Cetus.....	5½	24 51,29	2,924	106 42 16,1	18,700	250
2902	Cetus.....	7	24 56,15	3,041	93 21 55,3	18,698	390
2903	Cetus.....	7	24 56,21	3,041	93 21 51,2	18,698	392
2904	Pisces.....	.	24 56,74	3,252	69 19 54,0	18,697	35
2905	Andromeda ..	9	24 56,83	3,427	53 36 11,0	18,697	126
2906	Pisces.....	8½	24 57,27	3,252	69 19 53,1	18,697	206
2907	Andromeda ..	9	24 59,48	3,398	55 53 32,1	18,696	133
2908	Pisces.....	8½	25 0,84	3,151	80 27 57,7	18,695	205
2909	Andromeda ..	5½	25 6,69	3,483	49 36 2,5	18,692	140
2910	Andromeda ..	4½	25 6,55	3,483	49 36 2,7	18,692	477
2911	Pisces.....	7	25 6,57	3,187	76 21 56,1	18,692	38
2912	Andromeda ..	5	25 6,82	3,483	49 35 58,2	18,692	4
2913	Pisces.....	6	25 6,97	3,213	73 35 39,3	18,692	192
2914	Andromeda ..	5	25 7,10	3,483	49 35 59,1	18,692	309
2915	Pisces.....	9½	25 12,03	3,363	58 51 32,4	18,689	198
2916	Andromeda ..	8	25 12,80	3,571	44 4 38,8	18,689	249
2917	Andromeda ..	9	25 13,94	3,405	55 24 36,8	18,688	133
2918	Pisces.....	7	25 14,13	3,309	63 47 35,4	18,688	27
2919	Andromeda ..	8	25 14,32	3,564	44 29 6,1	18,688	249
2920	Andromeda ..	8½	1 25 15,76	+ 3,442	52 34 24,0	- 18,687	139

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2921	Cetus	6½	1 25 22,85	+2,845	114 43 48,3	-18,684	558
2922	Pisces.....	8	25 26,30	3,333	61 35 19,1	18,682	574
2923	Andromeda ..	8	25 28,20	3,372	58 9 51,7	18,681	198
2924	Andromeda ..	7½	25 31,31	3,600	42 36 48,5	18,679	305
2925	Cetus	8	25 34,81	3,017	96 6 24,7	18,677	135
2926	Cetus	7½	25 34,84	2,944	104 24 40,8	18,677	247
2927	Pisces.....	8	25 35,81	3,126	83 22 57,5	18,677	43
2928	Pisces.....	7½	25 36,31	3,126	83 22 56,5	18,676	41
2929	Cetus	9	25 39,33	3,072	89 45 14,6	18,675	119
2930	Cetus	8½	25 39,41	2,847	114 33 47,7	18,675	558
2931	Cassiopea	7½	25 46,31	3,918	29 56 40,3	18,671	372
2932	Andromeda ..	5	25 46,87	3,605	42 23 28,1	18,671	305
2933	Cassiopea	9½	25 47,70	4,078	25 52 41,6	18,670	378
2934	Cassiopea	9	25 48,63	3,805	33 37 26,9	18,670	370
2935	Pisces.....	9	25 54,91	3,098	86 42 40,4	18,667	45
2936	Andromeda ..	8½	25 54,93	3,445	52 30 36,1	18,666	139
2937	Andromeda ..	8	25 59,17	3,422	54 18 56,7	18,664	126
2938	Andromeda ..	8½	26 1,24	3,633	41 2 31,6	18,663	310
2939	Cetus	8½	26 2,45	2,907	108 19 43,5	18,663	463
2940	Andromeda ..	8	26 2,99	3,521	47 21 17,3	18,662	309
2941	Cassiopea	9	26 7,73	3,685	38 35 37,9	18,660	389
2942	Cetus	7	26 7,99	2,905	108 32 52,9	18,660	463
2943	Cassiopea	9	26 9,67	3,689	38 25 19,8	18,659	389
2944	Cetus	5½	26 13,55	2,925	106 25 45,9	18,656	250
2945	Pisces.....	7½	26 15,82	3,128	83 11 42,3	18,655	41
2946	Pisces.....	7	26 15,98	3,128	83 11 42,3	18,655	43
2947	Andromeda ..	8½	26 16,26	3,440	52 59 46,6	18,655	139
2948	Andromeda ..	8½	26 20,76	3,485	49 50 42,0	18,653	477
2949	Andromeda ..	9	26 23,34	3,569	44 35 44,3	18,651	249
2950	Pisces.....	7½	26 25,74	3,291	65 50 38,8	18,650	30
2951	Pisces.....π	5½	26 30,80	3,166	78 53 9,1	18,647	204
2952	Pisces.....π	5½	26 30,85	3,166	78 53 10,7	18,647	205
2953	Pisces.....π	6	26 30,91	3,166	78 53 10,0	18,647	39
2954	Andromeda ..	7	26 33,17	3,552	45 37 27,1	18,646	120
2955	Cassiopea	8½	26 34,52	3,700	38 2 34,4	18,645	389
2956	Andromeda ..	8	26 34,56	3,482	50 6 1,3	18,645	477
2957	Cetus	9	26 36,45	3,024	95 19 38,8	18,644	135
2958	Cassiopea ...	8½	26 37,28	3,738	36 25 22,0	18,644	373
2959	Pisces.....	8½	26 39,17	3,256	69 20 46,3	18,643	35
2960	Andromeda ..	8	1 26 40,23	+3,577	44 13 41,1	-18,642	249

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2961	Andromeda ..	8	1	26	42.89	+3.407	55	41	7.2
2962	Pisces.....	8½		26	44.43	3.352	60	14	2.6
2963	Andromeda ..	8		26	44.60	3.532	46	52	45.0
2964	Pisces.....	9		26	48.50	3.183	77	5	39.3
2965	Sculptor.....	6		26	53.13	2.773	120	56	0.4
2966	Cassiopea	8		26	53.77	4.176	24	5	49.2
2967	Cassiopea	8		26	58.04	3.701	38	6	39.4
2968	Cassiopea	8		27	1.30	3.687	38	45	27.0
2969	Pisces.....	7		27	1.71	3.252	69	45	45.9
2970	Pisces.....	7		27	3.04	3.167	78	56	45.3
2971	Pisces.....	7		27	3.06	3.167	78	56	43.2
2972	Cassiopea	9		27	3.08	4.053	26	45	56.8
2973	Pisces.....	7		27	3.37	3.167	78	56	43.9
2974	Cetus	6½		27	3.55	3.058	91	22	13.8
2975	Pisces.....	8		27	4.49	3.340	61	26	34.0
2976	Andromeda ..	8		27	4.76	3.483	50	15	42.5
2977	Pisces.....	8		27	4.92	3.259	69	7	57.1
2978	Cetus	8		27	7.78	3.025	95	10	7.5
2979	Cetus	8		27	7.99	3.025	95	10	0.0
2980	Andromeda ..	8		27	9.50	3.452	52	22	16.1
2981	Cassiopea	8		27	11.15	4.303	21	56	5.5
2982	Cassiopea	9		27	11.28	4.158	24	31	56.8
2983	Cetus	8		27	14.84	2.854	113	28	7.7
2984	Pisces.....	8		27	16.74	3.332	62	10	36.7
2985	Andromeda ..	8½		27	16.76	3.487	49	57	16.2
2986	Andromeda ..	8½		27	18.26	3.607	42	46	0.6
2987	Andromeda ..	7½		27	20.76	3.489	49	51	36.0
2988	Cassiopea	8		27	21.39	3.867	31	58	2.4
2989	Andromeda χ	5½		27	24.98	3.540	46	38	14.1
2990	Andromeda χ	6		27	25.04	3.540	46	38	11.8
2991	Pisces.....	8½		27	25.41	3.146	81	15	37.5
2992	Andromeda ..	6½		27	29.64	3.566	45	7	54.9
2993	Cassiopea	8½		27	31.78	3.741	36	34	30.3
2994	Cetus	7½		27	32.12	3.002	97	46	47.7
2995	Pisces.....	•		27	33.61	3.365	59	22	21.8
2996	Pisces.....	7		27	33.81	3.187	76	44	3.0
2997	Cassiopea	9		27	33.83	3.752	36	10	20.9
2998	Andromeda ..	7½		27	36.14	3.426	54	28	34.1
2999	Cetus	6		27	38.12	2.978	100	25	56.3
3000	Andromeda ..	8½	1	27	39.81	+3.429	54	13	11.9

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3001	Andromeda ..	9	1	27	40.68	+3,427	54	24	22.0	-18,609	126
3002	Pisces.....	7		27	41.09	3,255	69	37	24.8	18,609	35
3003	Cassiopea .. ω	6½		27	43.01	4,248	22	58	34.0	18,608	369
3004	Cassiopea .. ω	6		27	43.67	4,248	22	58	33.7	18,608	375
3005	Cetus	6		27	44.81	3,031	94	27	44.3	18,607	390
3006	Sculptor.....	8		27	45.35	2,827	115	54	25.5	18,607	559
3007	Cassiopea	8		27	48.90	4,181	24	13	40.5	18,605	369
3008	Cassiopea	9		27	51.57	3,756	36	4	44.9	18,603	373
3009	Andromeda ..	9		27	57.69	3,429	54	19	36.1	18,600	126
3010	Andromeda ..	8		27	58.68	3,664	40	6	10.9	18,599	310
3011	Pisces.....	8		27	59.73	3,261	69	6	8.2	18,599	206
3012	Pisces.....	7½		28	1.01	3,083	88	26	11.7	18,598	47
3013	Cetus	9½		28	2.18	3,045	92	46	40.1	18,598	392
3014	Pisces.....	7		28	4.05	3,322	63	15	42.1	18,596	27
3015	Pisces.....	7		28	4.30	3,322	63	15	39.7	18,596	574
3016	Pisces.....	8		28	4.48	3,322	63	15	39.4	18,596	25
3017	Cassiopea	9½		28	8.16	4,339	21	33	30.2	18,594	375
3018	Cetus	9		28	9.13	3,002	97	40	30.4	18,594	247
3019	Pisces.....	9		28	9.89	3,216	73	47	34.9	18,593	192
3020	Cetus	9		28	11.29	3,000	97	56	26.2	18,593	247
3021	Andromeda ..	8½		28	17.74	3,668	40	0	37.9	18,589	310
3022	Pisces.....	7½		28	18.35	3,327	62	55	5.3	18,589	574
3023	Andromeda ..	8		28	20.55	3,487	50	20	5.5	18,587	140
3024	Andromeda ..	7		28	20.77	3,487	50	20	9.6	18,587	477
3025	Andromeda ..	8		28	24.63	3,462	52	3	3.0	18,585	139
3026	Pisces.....	8½		28	24.79	3,349	60	55	54.5	18,585	124
3027	Pisces.....	7½		28	30.11	3,210	74	23	36.0	18,583	192
3028	Pisces.....	8½		28	34.01	3,171	78	34	54.1	18,580	204
3029	Cassiopea	7½		28	36.53	3,944	29	58	46.9	18,579	372
3030	Andromeda ..	8½		28	37.31	3,635	41	44	17.6	18,578	305
3031	Pisces.....	9		28	39.42	3,355	60	29	22.0	18,577	124
3032	Cetus	7½		28	41.28	2,916	106	53	32.6	18,576	250
3033	Andromeda ..	8		28	42.71	3,632	41	54	54.7	18,575	305
3034	Andromeda ..	6		28	43.06	3,529	47	43	16.6	18,575	4
3035	Andromeda ..	6½		28	43.11	3,529	47	43	8.8	18,575	309
3036	Cetus	7½		28	43.49	3,010	96	45	15.0	18,575	135
3037	Andromeda τ	5		28	49.27	3,487	50	26	26.7	18,572	477
3038	Andromeda τ	6½		28	49.47	3,487	50	26	28.0	18,572	140
3039	Pisces.....	8½		28	50.16	3,331	62	41	40.1	18,571	574
3040	Andromeda ..	8½	1	28	50.53	+3,558	45	59	53.7	-18,571	120

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3041	Pisces.....	6	1	28	54.52	+3,209	74	36	51.3	-18,569	192
3042	Andromeda ..	•		28	59.09	3,403	56	40	38.2	18,567	133
3043	Pisces.....	8		29	5.69	3,334	62	25	4.8	18,563	574
3044	Cassiopea	7		29	7.34	3,869	32	23	23.3	18,562	368
3045	Cetus.....	8		29	10.39	3,066	90	24	28.5	18,560	119
3046	Andromeda ..	8½		29	11.30	3,460	52	26	59.4	18,560	139
3047	Cetus.....	5½		29	18.03	2,861	112	17	53.2	18,556	391
3048	Pisces.....	9		29	18.35	3,136	82	36	50.8	18,556	41
3049	Pisces.....	9		29	23.91	3,091	87	33	55.3	18,553	47
3050	Andromeda ..	8½		29	26.35	3,640	41	42	47.6	18,551	305
3051	Sculptor.....	6		29	26.58	2,821	116	2	35.5	18,551	559
3052	Cassiopea	7		29	28.48	3,966	29	35	46.6	18,550	372
3053	Cetus.....	8½		29	28.60	3,038	93	32	18.0	18,550	390
3054	Andromeda v	6½		29	39.38	3,522	48	23	49.4	18,544	140
3055*	Andromeda v	6		29	39.46	3,522	48	23	38.4	18,544	309
3056	Cetus.....	8		29	41.13	2,896	108	48	53.2	18,543	464
3057	Andromeda ..	8½		29	41.58	3,563	45	57	48.7	18,543	120
3058	Cetus.....	7½		29	41.61	2,896	108	48	45.7	18,543	463
3059	Cassiopea	9		29	41.69	4,241	23	32	6.1	18,542	369
3060	Andromeda ..	8½		29	49.71	3,567	45	47	37.6	18,538	120
3061	Cassiopea	8½		29	50.61	3,859	32	53	54.1	18,538	368
3062	Cetus.....	7		29	53.82	3,058	91	15	36.8	18,536	392
3063	Cassiopea	7		29	55.29	3,939	30	27	47.6	18,535	372
3064	Andromeda ..	•		29	56.40	3,459	52	45	8.8	18,534	139
3065	Pisces.....	9		29	56.88	3,124	83	55	46.0	18,534	43
3066	Cetus.....	7½		29	57.13	2,970	100	59	44.7	18,534	246
3067	Cassiopea	8½		29	58.84	4,368	21	30	47.5	18,533	375
3068	Pisces.....	8		29	59.19	3,336	62	32	4.9	18,533	574
3069	Andromeda ..	9		30	4.20	3,436	54	27	27.4	18,530	126
3070	Pisces.....	7½		30	4.33	3,139	82	15	32.5	18,530	41
3071	Cetus.....	7½		30	6.57	2,898	108	33	56.2	18,529	463
3072	Cetus.....	7½		30	6.63	2,898	108	34	7.4	18,529	464
3073	Andromeda ..	7½		30	6.77	3,541	47	22	41.4	18,529	4
3074	Andromeda ..	9		30	7.20	3,435	54	26	38.4	18,528	126
3075	Pisces.....	8		30	7.28	3,277	67	59	29.4	18,528	206
3076*	Pisces.....	5½		30	10.56	3,306	65	16	7.4	18,527	27
3077	Pisces.....	5½		30	10.74	3,306	65	16	11.5	18,526	30
3078	Pisces.....	7		30	11.15	3,306	65	16	14.0	18,526	199
3079	Cetus.....	9		30	15.62	3,046	92	37	9.9	18,524	392
3080	Cetus.....	8½	1	30	17.93	+3,020	95	28	52.8	-18,521	135

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3081	Andromeda ..	8	1 30 20.37	+3,628	42 35 56.5	-18,521	305
3082	Cetus	8	30 21.04	2,977	100 15 33.9	18,521	246
3083	Triangulum ..	6½	30 23.52	3,355	60 58 3.7	18,520	124
3084	Pisces.....	8½	30 23.58	3,186	77 14 26.3	18,519	39
3085	Pisces.....	8½	30 24.35	3,186	77 14 23.1	18,519	38
3086	Cetus.....	8	30 25.17	2,842	113 55 50.8	18,518	391
3087	Cetus.....	7½	30 25.89	2,841	113 55 57.6	18,518	558
3088	Pisces.....	9	30 26.60	3,212	74 30 11.3	18,518	192
3089	Andromeda ..	6	30 32.54	3,420	55 46 6.7	18,514	133
3090	Cetus.....	8	30 34.21	3,075	89 23 26.5	18,514	119
3091	Cetus.....	6½	30 37.81	3,037	93 38 13.4	18,512	390
3092	Triangulum ..	8	30 38.74	3,344	61 56 54.4	18,511	574
3093	Cetus.....	9	30 38.93	3,019	95 35 45.2	18,511	135
3094	Andromeda ..	8½	30 41.49	3,389	58 14 59.3	18,509	198
3095	Pisces.....	8½	30 42.38	3,234	72 21 45.5	18,509	34
3096	Cetus.....	8	30 46.72	3,001	97 37 17.6	18,506	247
3097	Pisces.....	9	30 47.41	3,094	87 18 37.1	18,506	47
3098	Triangulum ..	7½	30 50.70	3,350	61 30 35.9	18,504	574
3099	Triangulum ..	8½	30 51.32	3,357	60 55 7.7	18,504	124
3100	Andromeda ..	7	30 51.39	3,493	50 38 18.9	18,503	477
3101	Cassiopea	8	30 52.80	3,804	35 8 6.6	18,503	370
3102	Cetus.....	8½	30 52.84	2,909	107 18 12.4	18,503	463
3103	Cassiopea	8	30 53.29	3,804	35 8 9.6	18,503	373
3104	Andromeda ..	7	30 53.94	3,628	42 29 53.4	18,502	305
3105	Pisces.....	8	30 54.58	3,143	81 56 42.1	18,502	41
3106	Andromeda ..	8	30 58.33	3,513	49 24 34.5	18,500	477
3107	Pisces.....	8½	30 58.82	3,115	84 57 50.3	18,500	45
3108	Andromeda ..	7	31 0.08	3,392	58 3 14.1	18,499	198
3109	Cassiopea	6½	31 0.23	3,729	38 7 45.4	18,499	390
3110	Andromeda ..	8	31 0.41	3,467	52 29 50.7	18,499	139
3111	Pisces.....	5	31 2.45	3,111	85 26 42.1	18,499	45
3112	Andromeda ..	6½	31 5.44	3,698	39 29 58.7	18,496	310
3113	Andromeda ..	8	31 6.44	3,389	58 21 29.4	18,495	198
3114	Andromeda ..	6½	31 9.95	3,575	45 41 36.7	18,493	120
3115	Cetus.....	8	31 9.99	3,056	91 31 20.5	18,493	392
3116	Andromeda ..	6	31 11.99	3,680	40 19 31.1	18,492	369
3117	Andromeda ..	4	31 12.63	3,680	40 19 31.2	18,492	306
3118	Cassiopea	9½	31 20.81	4,113	26 27 10.5	18,487	378
3119	Cetus.....	9	31 24.63	2,998	97 48 31.2	18,485	247
3120	Cassiopea	9	1 31 26.10	+3,781	36 7 37.6	-18,484	373

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3121	Cassiopea	9	1 31 27.02	+3.926	31 15 19.5	-18.484	368
3122	Cetus	8	31 29.06	3.032	94 8 25.7	18.483	390
3123	Cetus	7	31 29.30	3.034	93 58 37.3	18.483	390
3124	Andromeda ..	8	31 30.44	3.660	41 21 26.3	18.482	305
3125	Pisces.....	9	31 33.85	3.085	88 18 47.1	18.480	47
3126	Triangulum ..	•	31 36.11	3.370	59 59 11.9	18.479	124
3127	Andromeda ..	8	31 36.98	3.506	50 2 19.2	18.478	477
3128	Pisces.....	5	31 39.66	3.252	70 42 29.8	18.477	35
3129	Andromeda ..	8	31 39.91	3.580	45 34 51.6	18.476	120
3130	Cassiopea	9	31 40.57	3.740	37 49 33.2	18.476	390
3131	Pisces.....	8	31 41.88	3.207	75 14 7.6	18.475	192
3132	Pisces.....	8½	31 42.23	3.207	75 14 10.5	18.475	38
3133	Cassiopea	8	31 42.94	3.844	33 55 23.4	18.474	370
3134	Cassiopea	9½	31 43.99	4.126	26 15 57.4	18.474	378
3135	Cetus	9	31 48.61	3.056	91 29 41.5	18.471	392
3136	Pisces.....	8½	31 52.33	3.081	88 42 22.8	18.469	47
3137	Cetus	5½	31 52.55	2.956	102 19 2.5	18.469	244
3138	Cetus	9	31 53.64	2.890	109 11 11.0	18.469	463
3139	Triangulum ..	8	31 56.22	3.390	58 25 49.6	18.467	198
3140	Andromeda ..	7½	31 56.79	3.634	42 48 1.8	18.467	305
3141	Pisces.....	7½	32 2.87	3.155	80 46 4.0	18.463	205
3142	Pisces.....	8½	32 2.94	3.155	80 46 10.5	18.463	41
3143	Cassiopea	9	32 8.29	3.794	35 51 23.5	18.460	373
3144	Cetus	8½	32 13.59	3.051	92 3 3.8	18.457	392
3145	Pisces.....	9	32 14.60	3.163	79 55 32.9	18.456	205
3146	Andromeda ..	6	32 18.36	3.596	44 52 15.0	18.454	249
3147	Cetus	8	32 23.65	2.998	97 46 1.2	18.451	247
3148	Cassiopea	9	32 24.29	3.756	37 24 9.8	18.451	390
3149	Triangulum ..	7	32 27.10	3.387	58 49 16.1	18.449	198
3150*	Triangulum ..	7	32 27.25	3.387	58 49 11.9	18.449	124
3151	Cetus	8	32 27.44	2.876	110 12 23.8	18.449	464
3152	Andromeda ..	8	32 28.02	3.474	52 29 39.9	18.449	139
3153	Cetus	7½	32 29.38	2.890	108 54 11.4	18.448	463
3154	Triangulum ..	8	32 31.50	3.394	58 16 32.5	18.447	198
3155	Cassiopea	9	32 32.97	3.854	33 49 58.5	18.446	370
3156	Cassiopea	8½	32 34.26	3.935	31 16 38.8	18.445	368
3157	Cetus	7	32 34.89	2.980	99 40 28.9	18.445	246
3158	Pisces.....	9½	32 35.41	3.181	78 3 22.9	18.445	39
3159	Cetus	5	32 37.60	3.026	94 42 9.3	18.443	390
3160	Andromeda ..	7½	1 32 43.84	+3.495	51 3 8.4	-18.440	477

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3161	Andromeda ..	7½	1 32 43,98	+3,461	53 20 32,5	-18,440	139
3162	Cassiopea	9	32 46,14	4,294	23 16 21,3	18,438	369
3163	Andromeda ..	9	32 47,84	3,611	44 11 52,5	18,437	249
3164	Cetus	9	32 56,26	2,873	110 27 1,5	18,433	464
3165	Triangulum ..	7	32 57,40	3,393	58 29 31,7	18,432	198
3166	Andromeda ..	7½	33 1,32	3,452	54 4 16,4	18,431	126
3167	Andromeda ..	.	33 2,58	3,557	47 18 19,9	18,429	4
3168	Cetus	8	33 2,81	2,865	111 11 3,9	18,429	464
3169	Cassiopea	9	33 7,80	3,806	35 40 44,6	18,426	373
3170	Pisces.....	9	33 13,40	3,149	81 26 33,7	18,423	41
3171	Pisces.....	8½	33 13,47	3,113	85 16 0,6	18,423	43
3172	Pisces.....	8½	33 13,75	3,113	85 16 2,2	18,423	45
3173	Cetus	9	33 22,23	2,994	98 5 55,3	18,417	247
3174	Cetus	8½	33 22,71	2,994	98 5 22,3	18,417	247
3175	Cassiopea	9	33 23,73	3,975	30 20 17,2	18,417	372
3176	Andromeda ..	9	33 25,99	3,578	46 12 11,4	18,415	120
3177	Pisces.....	9	33 31,40	3,149	81 30 49,8	18,412	41
3178	Andromeda ..	8	33 33,27	3,614	44 18 34,7	18,411	249
3179	Pisces.....	8½	33 35,88	3,107	86 0 53,5	18,410	45
3180*	Triangulum ..	8	33 36,61	3,346	62 33 2,3	18,409	25
3181	Triangulum ..	7½	33 36,78	3,346	62 33 8,9	18,409	574
3182	Triangulum ..	.	33 40,51	3,315	65 12 41,0	18,407	30
3183	Andromeda ..	8	33 42,18	3,726	38 59 20,2	18,406	390
3184	Cetus	8½	33 44,78	2,848	112 37 56,6	18,405	391
3185	Andromeda ..	8½	33 46,67	3,438	55 17 46,8	18,403	133
3186	Cetus	6½	33 50,57	3,016	95 46 29,1	18,401	135
3187	Triangulum ..	8	33 50,84	3,350	62 16 20,6	18,401	574
3188	Pisces.....	8	33 59,66	3,262	71 9 11,8	18,396	35
3189	Pisces.....	9½	34 1,34	3,085	88 23 41,6	18,395	47
3190	Pisces.....	6	34 2,09	3,254	70 55 15,5	18,395	35
3191	Cassiopea	8	34 4,03	3,892	32 59 11,1	18,393	368
3192	Andromeda ..	8½	34 14,87	3,579	46 22 38,7	18,387	120
3193	Andromeda ..	9	34 16,45	3,497	51 23 54,3	18,386	139
3194	Triangulum ..	9	34 17,20	3,415	57 9 24,4	18,386	133
3195	Andromeda ..	8	34 17,94	3,563	47 18 13,2	18,385	4
3196	Andromeda ..	9½	34 19,01	3,447	54 49 7,2	18,385	126
3197	Triangulum ..	9	34 22,30	3,332	63 53 20,9	18,383	199
3198	Andromeda ..	10	34 23,96	3,498	51 22 14,3	18,382	139
3199	Andromeda ..	9½	34 23,98	3,449	54 40 7,0	18,382	126
3200	Cassiopea	9½	1 34 25,52	+3,752	38 8 22,5	-18,381	390

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3201	Cassiopea	9½	1 34 29,20	+3,826	35 19 36,6	-18,379	373
3202	Cetus	7½	34 33,38	2,953	102 18 42,8	18,376	244
3203	Aries	9	34 40,22	3,324	64 36 31,8	18,372	199
3204	Cetus	8	34 43,38	2,997	97 40 49,2	18,371	247
3205	Cetus	6	34 43,59	2,996	97 46 38,5	18,371	247
3206	Pisces	8½	34 45,83	3,084	88 30 18,0	18,369	47
3207	Cetus τ	3½	34 46,96	2,905	106 59 38,7	18,368	250
3208	Cetus τ	3½	34 47,22	2,905	106 59 40,8	18,368	463
3209	Cetus τ	3½	34 47,31	2,905	106 59 43,2	18,368	464
3210	Cetus	9	34 48,98	2,949	102 40 13,5	18,367	244
3211	Cetus	8½	34 49,34	2,950	102 30 59,8	18,367	245
3212	Pisces θ	6	34 51,38	3,147	81 51 13,6	18,366	41
3213	Cetus	8	34 52,37	2,857	111 35 24,2	18,365	391
3214	Andromeda ..	8	34 55,08	3,705	40 15 23,6	18,364	310
3215	Cassiopea	9	34 57,81	4,316	23 20 59,9	18,362	369
3216	Cassiopea	9	35 1,13	4,166	26 9 35,1	18,360	378
3217	Triangulum ..	9	35 9,29	3,411	57 40 54,1	18,355	198
3218	Triangulum ..	8½	35 11,09	3,363	61 27 18,7	18,354	574
3219	Triangulum ..	9	35 11,11	3,364	61 24 45,6	18,354	574
3220	Cetus	8	35 13,67	3,030	94 10 41,2	18,353	390
3221	Andromeda ..	9½	35 14,31	3,542	48 48 40,4	18,352	140
3222	Triangulum ..	8½	35 16,72	3,409	57 50 34,3	18,351	198
3223	Cassiopea	8½	35 16,73	3,916	32 32 50,8	18,351	368
3224	Cassiopea	7½	35 18,49	5,448	12 47 50,0	18,350	351
3225	Triangulum ..	8½	35 22,62	3,364	61 23 33,6	18,347	574
3226	Pisces	7½	35 22,88	3,095	87 20 24,1	18,347	45
3227	Pisces	8	35 23,34	3,095	87 20 25,0	18,347	47
3228	Cassiopea	9	35 27,44	3,834	35 18 1,7	18,345	373
3229	Cassiopea	9	35 32,19	3,769	37 45 36,2	18,342	390
3230	Pisces	7½	35 34,87	3,092	87 35 19,5	18,340	45
3231	Pisces	8	35 34,88	3,092	87 35 20,5	18,340	47
3232	Andromeda ..	9	35 35,02	3,654	42 49 0,0	18,340	305
3233	Andromeda ..	6	35 35,41	3,616	44 46 22,2	18,340	249
3234	Sculptor	6½	35 36,33	2,777	118 21 14,5	18,339	561
3235	Aries	8	35 37,82	3,321	65 4 59,2	18,338	30
3236	Aries	8½	35 38,33	3,321	65 4 59,4	18,338	199
3237	Cetus	8	35 40,09	3,042	92 55 58,9	18,337	392
3238	Aries	7	35 45,44	3,229	73 35 41,6	18,334	192
3239	Sculptor	7½	35 47,65	2,760	119 43 53,8	18,330	561
3240	Sculptor	8½	1 35 53,15	+2,762	119 32 58,4	-18,330	561

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3241	Aries	9	1 35 53.48	+3,230	73 30 35.5	-18,329	192
3242	Aries	8	35 53.81	3,325	64 50 18.1	18,329	199
3243	Aries	7	35 53.91	3,325	64 50 14.8	18,329	30
3244	Cetus	5½	35 57.18	3,005	96 44 14.1	18,327	135
3245	Cetus	8½	35 57.39	2,839	112 59 34.9	18,327	391
3246	Cassiopea	9½	35 57.72	4,012	29 58 50.3	18,327	372
3247	Andromeda ..	9	35 58.41	3,660	42 38 11.8	18,326	305
3248	Cassiopea	9	35 59.88	3,932	32 14 4.7	18,325	368
3249	Andromeda ..	9	36 5.57	3,512	50 52 51.0	18,322	140
3250	Pisces	9	36 6.09	3,119	84 51 18.5	18,322	43
3251	Aries	8	36 12.12	3,270	69 49 18.4	18,318	35
3252	Andromeda ..	8½	36 12.40	3,613	45 5 23.8	18,318	120
3253	Andromeda ..	8	36 12.51	3,613	45 5 25.5	18,318	249
3254	Andromeda ..	8	36 15.38	3,492	52 15 26.2	18,316	139
3255	Sculptor	5	36 16.35	2,803	116 3 22.4	18,316	558
3256	Sculptor	4½	36 16.46	2,803	116 3 26.1	18,316	559
3257	Andromeda ..	9	36 19.05	3,620	44 45 28.3	18,314	249
3258	Triangulum ..	8	36 26.13	3,354	62 31 4.7	18,310	574
3259	Aries	8½	36 30.18	3,273	69 35 38.2	18,307	35
3260	Cassiopea	8½	36 33.15	4,381	22 38 15.9	18,305	375
3261	Pisces	7	36 33.50	3,165	80 9 34.7	18,305	205
3262	Cetus	8	36 38.89	2,957	101 36 13.0	18,305	245
3263	Cetus	8½	36 42.34	2,928	104 30 26.8	18,300	247
3264	Andromeda ..	6½	36 52.94	3,482	53 2 58.8	18,294	126
3265	Andromeda ..	6½	36 53.69	3,482	53 2 55.9	18,293	139
3266	Andromeda ..	9	36 54.49	3,688	41 34 32.7	18,293	305
3267	Cetus	7½	36 55.63	3,030	94 7 8.1	18,292	390
3268	Cassiopea	8	36 58.03	4,186	26 8 45.6	18,291	378
3269	Cetus	9	37 5.36	3,068	90 11 34.3	18,287	48
3270	Aries	8½	37 5.87	3,329	64 44 55.2	18,286	199
3271	Aries	9	37 6.26	3,277	69 20 56.0	18,286	35
3272	Andromeda ..	9	37 10.77	3,578	47 15 57.8	18,283	120
3273	Cetus	8½	37 12.62	2,967	100 36 12.2	18,282	246
3274	Triangulum ..	6½	37 16.70	3,409	58 19 50.0	18,279	198
3275	Triangulum ..	8½	37 19.09	3,429	56 51 29.6	18,278	133
3276*	Triangulum ..	9	37 19.81	3,368	61 33 2.6	18,278	25
3277	Andromeda ..	9	37 21.38	3,532	50 1 45.6	18,277	140
3278	Aries	6	37 21.41	3,227	74 2 40.5	18,277	192
3279	Andromeda ..	9	37 22.83	3,581	47 10 43.7	18,276	120
3280	Cetus	8	1 37 23.77	+3,032	93 54 44.7	-18,275	390

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3281	Andromeda ..	9	1 37 29.31	+3,688	41 44 33.0	-18,272	305
3282	Perseus	9	37 30.82	3,835	35 47 1.6	18,271	373
3283	Cetus	8½	37 30.86	3,029	94 14 56.5	18,271	390
3284	Aries	7½	37 32.04	3,228	73 58 59.4	18,270	192
3285	Aries	9	37 35.12	3,286	68 36 4.9	18,268	206
3286	Triangulum ..	8½	37 38.11	3,386	60 13 19.9	18,267	124
3287	Andromeda ..	9	37 38.17	3,441	56 5 48.1	18,267	133
3288	Cetus	8	37 38.80	2,885	108 29 8.3	18,266	463
3289	Cetus	8½	37 45.10	3,051	91 57 31.9	18,263	392
3290	Andromeda ..	8½	37 52.51	3,674	42 29 1.7	18,258	305
3291	Triangulum ..	9½	37 53.43	3,408	58 34 27.3	18,257	198
3292	Andromeda ..	8½	37 56.41	3,592	46 42 2.4	18,255	120
3293	Andromeda ..	9	37 59.62	3,630	44 41 10.3	18,254	249
3294	Cetus	8½	37 59.95	2,887	108 13 14.7	18,253	463
3295	Pisces.....	9	38 1.21	3,160	80 47 11.7	18,253	205
3296	Cetus	9	38 2.77	3,064	90 33 2.3	18,252	48
3297	Aries	8	38 3.01	3,314	66 16 35.4	18,252	30
3298	Pisces.....	7	38 5.00	3,096	87 19 3.5	18,250	47
3299	Pisces.....	6½	38 5.10	3,096	87 19 4.6	18,250	45
3300	Aries	8	38 7.09	3,222	74 37 22.5	18,249	192
3301	Cetus	6½	38 9.99	2,847	111 50 44.7	18,247	391
3302	Cassiopea	9	38 10.50	4,390	22 48 47.6	18,247	375
3303	Pisces.....	8	38 10.95	3,135	83 19 0.4	18,247	43
3304	Pisces.....	8	38 11.32	3,135	83 19 2.5	18,246	41
3305	Perseus	8	38 13.54	3,754	39 3 33.3	18,245	369
3306	Perseus	6	38 13.73	3,754	39 3 34.8	18,245	310
3307	Perseus	9	38 14.15	3,846	35 35 33.6	18,245	373
3308	Cassiopea	9	38 14.48	5,855	11 17 9.6	18,244	351
3309	Triangulum ..	8½	38 14.73	3,361	62 18 14.5	18,244	574
3310*	Aries	7	38 15.70	3,335	64 31 43.1	18,244	199
3311	Perseus	6	38 15.86	3,755	39 3 42.4	18,244	390
3312	Andromeda ..	9	38 18.63	3,497	52 26 16.5	18,242	139
3313	Aries	8	38 21.00	3,314	66 19 14.5	18,241	30
3314	Triangulum ..	8	38 23.14	3,350	63 17 35.5	18,239	574
3315	Perseus	8½	38 26.92	3,834	36 4 26.2	18,237	373
3316	Cetus	9	38 28.11	3,045	92 31 58.1	18,237	392
3317	Andromeda ..	9	38 28.16	3,634	44 36 28.3	18,236	249
3318	Pisces.....	9	38 38.59	3,151	81 43 32.1	18,230	42
3319	Perseus	9	38 39.99	3,836	36 3 19.2	18,229	373
3320	Cassiopea	9	1 38 41.69	+4,012	30 38 43.7	-18,228	372

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3321	Andromeda ..	.	1 38 42.04	+3,495	52° 41' 21.9"	-18.228	139
3322	Triangulum ..	8½	38 48.34	3,373	61 31 47.7	18,224	25
3323	Perseus	8½	38 54.02	3,755	39 11 56.5	18,221	390
3324	Cetus	9	38 55.36	2,848	111 38 32.9	18,220	391
3325	Triangulum ..	9	38 57.30	3,343	63 57 55.6	18,218	199
3326	Perseus	7	38 57.62	3,844	35 50 59.1	18,218	373
3327	Cassiopea	8½	38 58.42	4,468	21 48 43.7	18,218	375
3328	Andromeda ..	9½	38 59.70	3,639	44 32 45.3	18,217	249
3329	Cetus	8	38 59.85	2,829	113 13 23.9	18,217	558
3330	Triangulum ..	8	39 0.13	3,390	60 11 34.0	18,217	124
3331	Triangulum ..	8½	39 4.17	3,392	60 5 26.0	18,214	124
3332	Andromeda ..	8	39 5.20	3,463	54 56 39.9	18,214	126
3333	Aries	6½	39 6.73	3,288	68 43 22.3	18,213	206
3334	Aries	9	39 10.52	3,287	68 49 40.4	18,210	206
3335	Triangulum ..	8½	39 13.53	3,387	60 31 34.5	18,209	124
3336	Andromeda ..	8	39 14.13	3,460	55 9 8.5	18,208	133
3337	Andromeda ..	7	39 14.16	3,460	55 9 9.2	18,208	126
3338	Triangulum ..	8	39 15.32	3,367	62 3 46.2	18,207	574
3339	Cetus	9	39 16.25	2,872	109 22 58.1	18,207	464
3340	Andromeda ..	8	39 18.39	3,653	43 54 42.8	18,206	249
3341	Fornax	6½	39 20.72	2,780	117 15 11.2	18,204	559
3342	Cetus	8	39 21.28	2,809	114 52 12.7	18,204	558
3343	Fornax	7	39 21.49	2,780	117 15 27.7	18,204	561
3344	Aries	9	39 21.60	3,203	76 39 10.8	18,204	38
3345	Andromeda ..	.	39 23.45	3,493	52 58 27.2	18,203	139
3346	Cassiopea	8½	39 23.77	3,912	33 42 31.0	18,202	370
3347	Andromeda ..	.	39 24.77	3,613	45 59 25.0	18,202	120
3348	Andromeda ..	8	39 26.15	3,639	44 39 29.4	18,201	249
3349	Cassiopea	8½	39 26.78	4,404	22 50 33.9	18,200	375
3350	Pisces	8	39 27.87	3,131	83 46 15.5	18,200	43
3351	Perseus	6	39 31.18	3,735	40 12 11.8	18,198	310
3352	Cetus	7	39 34.70	2,953	101 41 52.8	18,196	246
3353	Cetus	8	39 34.81	2,953	101 41 54.8	18,196	245
3354	Fornax	9	39 36.56	2,781	117 9 4.8	18,195	559
3355	Andromeda ..	8½	39 38.50	3,619	45 42 17.7	18,193	120
3356	Andromeda ..	9	39 44.64	3,461	55 13 9.3	18,189	126
3357	Fornax	8½	39 45.51	2,782	117 1 55.1	18,189	559
3358	Cetus.....χ	5	39 46.16	2,953	101 40 48.7	18,189	245
3359	Cetus.....χ	5	39 46.64	2,953	101 40 47.7	18,188	246
3360	Aries	8½	1 39 47.67	+3,331	65 8 46.0	-18,188	199

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3361	Andromeda ..	8	1 39 47.76	+3.457	55 32 33.9	-18,188	133
3362	Cassiopea	9	39 48.96	4.047	30 0 2.2	18,187	372
3363*	Cetus .....	.	39 50.79	2,870	109 28 34.8	18,186	464
3364	Cetus	8½	39 53.64	2,987	98 18 13.8	18,184	247
3365	Perseus	8	39 55.23	3,715	41 11 47.5	18,183	305
3366	Andromeda ..	9	40 0.02	3,498	52 48 46.2	18,180	139
3367	Andromeda ..	8	40 0.62	3,461	55 19 44.5	18,180	126
3368	Cetus	9	40 1.04	2,993	97 43 5.9	18,179	247
3369	Andromeda ..	8½	40 1.08	3,461	55 19 48.7	18,179	133
3370	Aries	7½	40 5.03	3,317	66 20 36.8	18,177	30
3371	Triangulum ..	9	40 5.06	3,434	57 13 3.1	18,177	198
3372	Cassiopea	8½	40 7.62	3,916	33* 46 17.2	18,175	370
3373	Perseus	8½	40 8.34	3,756	39 31 8.2	18,175	369
3374	Perseus	6½	40 8.53	3,756	39 31 16.4	18,175	310
3375	Cassiopea ..	4	40 9.05	4,165	27 19 24.5	18,174	378
3376	Perseus	6	40 10.27	3,756	39 31 13.8	18,174	390
3377	Fornax	8	40 10.97	2,759	118 46 29.5	18,173	561
3378	Aries	7	40 11.69	3,270	70 28 52.9	18,173	35
3379	Cetus	7½	40 13.04	2,993	97 42 23.9	18,172	247
3380	Cetus	6	40 16.23	3,170	79 57 6.9	18,170	205
3381	Andromeda ..	9	40 20.30	3,539	50 22 14.4	18,168	140
3382	Andromeda ..	8	40 21.66	3,614	46 10 50.5	18,167	120
3383	Pisces	10	40 23.26	3,125	84 27 40.7	18,166	43
3384	Cetus	8	40 28.42	3,039	93 3 31.5	18,163	392
3385	Cetus	7	40 29.75	2,929	103 53 5.2	18,162	247
3386	Pisces	8½	40 30.86	3,119	84 59 13.0	18,161	45
3387*	Cassiopea	9	40 32.33	3,997	31 28 57.9	18,160	368
3388	Pisces	8½	40 34.60	3,145	82 26 42.5	18,159	42
3389	Cassiopea	9	40 35.67	3,930	33 27 23.9	18,158	370
3390	Andromeda ..	7	40 37.38	3,491	53 28 30.8	18,157	126
3391	Aries	8½	40 39.10	3,249	72 29 15.3	18,156	34
3392	Perseus	8½	40 39.88	3,870	35 23 50.9	18,156	373
3393	Cassiopea	6	40 40.21	4,456	22 18 23.1	18,155	369
3394	Cassiopea	6	40 40.29	4,456	22 18 20.7	18,155	375
3395	Cassiopea	6	40 40.60	4,456	22 18 22.7	18,155	379
3396	Cetus	8	40 41.53	2,935	103 20 17.6	18,154	247
3397	Triangulum ..	9½	40 42.13	3,438	57 4 44.1	18,154	198
3398	Andromeda ..	8½	40 43.45	3,498	53 0 43.5	18,153	139
3399	Cetus	8½	40 43.53	3,057	91 17 14.6	18,153	392
3400	Aries	8½	1 40 47.01	+3,242	73 11 42.6	-18,151	192

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3401	Aries	6½	1 40 54.47	+3,247	72 41 53.7	-18,146	34
3402	Perseus	7	40 56.28	3,713	41 32 52.9	18,145	305
3403	Cetus	8½	40 58.64	2,807	114 46 9.7	18,144	558
3404	Triangulum ..	9	41 3.33	3,439	57 4 58.1	18,141	198
3405	Aries	6½	41 3.48	3,313	66 52 45.8	18,141	30
3406	Andromeda ..	9	41 14.04	3,615	46 22 7.5	18,134	120
3407	Aries	9	41 16.59	3,196	77 34 4.7	18,133	39
3408	Perseus	9	41 18.43	3,727	41 3 1.2	18,131	369
3409	Andromeda ..	6	41 20.60	3,545	50 15 50.4	18,130	140
3410	Cetus	6½	41 22.13	3,017	95 12 41.3	18,129	390
3411	Cetus	8	41 25.94	3,169	80 10 59.4	18,127	205
3412	Andromeda ..	7°	41 26.07	3,491	53 40 13.2	18,127	126
3413	Cetus	6½	41 27.64	3,033	93 37 51.2	18,126	390
3414	Perseus	8	41 28.99	3,769	39 20 13.7	18,125	390
3415	Andromeda ..	9	41 31.69	3,461	55 42 14.2	18,123	133
3416	Cetus ζ	3	41 35.69	2,955	101 19 41.5	18,121	245
3417	Cetus ζ	3	41 35.83	2,955	101 19 37.6	18,121	246
3418	Perseus	8½	41 36.98	3,714	41 41 12.1	18,120	305
3419	Cetus	6	41 38.67	2,990	97 52 2.6	18,119	247
3420	Triangulum α	4	41 42.96	3,383	61 24 2.1	18,116	139
3421	Triangulum α	3½	41 43.10	3,383	61 23 58.0	18,116	25
3422	Triangulum α	3	41 43.37	3,383	61 24 5.6	18,116	124
3423	Triangulum α	-	41 43.86	3,383	61 24 5.1	18,115	126
3424	Cassiopea	9	41 49.80	4,012	31 22 28.1	18,112	368
3425	Triangulum ..	6½	41 50.64	3,374	62 5 21.2	18,111	574
3426	Cetus	8½	41 50.84	2,886	107 43 52.0	18,111	463
3427	Cetus	7	41 55.26	2,924	104 13 44.2	18,108	247
3428	Perseus	8½	41 56.38	3,924	33 57 41.8	18,108	370
3429	Aries	8	41 56.55	3,186	78 33 1.3	18,108	39
3430	Perseus	8½	41 57.46	3,926	33 53 52.8	18,107	370
3431	Triangulum ..	8	42 1.75	3,443	57 2 59.2	18,104	198
3432	Aries	8	42 1.80	3,339	64 56 29.0	18,104	199
3433	Aries	8	42 2.13	3,339	64 56 56.1	18,104	30
3434	Triangulum ..	9	42 4.29	3,416	58 59 33.2	18,103	198
3435	Perseus	9	42 5.39	3,738	40 46 35.2	18,102	369
3436	Cetus	7	42 5.57	2,897	106 38 33.6	18,102	250
3437	Cassiopea	8½	42 5.82	4,002	31 43 0.5	18,102	368
3438	Aries	8½	42 5.93	3,291	69 0 20.4	18,102	33
3439	Perseus	7	42 6.20	3,740	40 41 34.4	18,101	310
3440	Cassiopea	9½	1 42 11.47	+5,767	12 4 9.5	-18,098	351

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3441	Pisces.....	8½	1 42 18,23	+3,085	88 29 42,2	-18,094	47
3442	Pisces.....	9	42 24,35	3,107	86 19 46,7	18,090	45
3443	Cetus.....	9½	42 24,60	3,039	93 1 9,5	18,090	392
3444	Aries.....	9	42 27,68	3,219	75 33 35,9	18,088	38
3445	Cassiopea....	8	42 28,67	4,083	29 42 25,5	18,088	372
3446	Andromeda..	9	42 29,94	3,571	49 6 5,5	18,087	140
3447	Cetus.....	8½	42 32,55	2,810	114 8 26,4	18,085	391
3448	Cetus.....	9	42 33,22	2,810	114 8 33,6	18,085	558
3449	Aries..... γ	4	42 33,92	3,261	71 41 32,6	18,084	34
3450	Aries..... γ	5	42 34,74	3,261	71 41 33,5	18,083	192
3451	Aries..... γ	5	42 34,74	3,261	71 41 21,5	18,083	192
3452	Perseus.....	9	42 36,20	3,884	35 24 37,5	18,083	373
3453	Cetus.....	9	42 36,55	3,046	92 22 21,1	18,083	392
3454	Perseus.....	9	42 38,43	3,884	35 25 23,5	18,081	373
3455	Andromeda..	8	42 39,77	3,550	50 20 4,7	18,081	140
3456	Triangulum..	8½	42 40,36	3,379	61 55 47,9	18,080	574
3457	Aries.....	8	42 41,93	3,337	65 12 46,6	18,079	30
3458	Aries.....	8	42 42,00	3,337	65 12 45,3	18,079	199
3459	Cetus.....	9	42 42,17	3,011	95 46 44,8	18,079	135
3460	Andromeda..	8½	42 42,36	3,653	44 48 30,8	18,079	249
3461	Aries.....	7½	42 49,57	3,190	78 18 29,0	18,078	39
3462	Cassiopea....	9	42 52,22	4,474	22 26 52,3	18,073	375
3463	Andromeda..	9	42 52,52	3,507	52 57 56,7	18,072	139
3464	Andromeda..	7	42 54,80	3,552	50 17 3,7	18,071	140
3465	Cetus.....	8	42 56,47	2,928	103 43 16,8	18,070	247
3466	Perseus.....	7½	42 57,44	3,779	39 17 57,4	18,069	310
3467	Cassiopea....	9	42 57,68	4,283	25 34 37,5	18,069	378
3468	Cetus.....	7	42 58,08	3,046	92 17 57,9	18,069	392
3469	Perseus.....	9	42 59,36	3,889	35 20 3,5	18,068	373
3470	Fornax.....	8½	43 3,06	2,751	118 45 2,4	18,066	561
3471	Fornax.....	8½	43 3,32	2,786	116 2 13,4	18,066	559
3472*	Cassiopea....	9	43 5,30	4,087	29 44 29,8	18,064	372
3473	Triangulum..	8½	43 6,75	3,417	59 8 9,5	18,063	198
3474	Andromeda..	8½	43 8,58	3,654	44 51 55,9	18,062	249
3475	Pisces.....	8	43 8,67	3,137	83 21 24,4	18,062	43
3476	Andromeda..	6½	43 10,55	3,495	53 51 34,5	18,061	126
3477	Cassiopea....	6½	43 12,25	5,578	13 3 52,0	18,060	351
3478	Pisces..... ♄	5½	43 12,82	3,092	87 48 17,4	18,059	47
3479	Cetus.....	6	43 15,09	2,881	107 55 6,2	18,058	463
3480	Cetus.....	8½	1 43 19,95	+2,852	110 29 36,6	-18,055	464

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3481	Triangulum ..	8½	1 43 20,34	+3,445	57 14 39,6	-18,055	198
3482	Triangulum ..	9	43 21,32	3,445	57 14 30,8	18,054	133
3483	Cetus	8½	43 23,79	2,886	107 28 53,5	18,053	463
3484	Triangulum ..	8½	43 23,89	3,382	61 50 13,8	18,052	574
3485	Cetus	7	43 24,17	3,169	80 21 30,9	18,052	205
3486	Andromeda ..	8½	43 30,71	3,730	42 29 35,0	18,048	305
3487	Cetus	8½	43 31,33	2,883	107 44 17,2	18,048	463
3488	Cassiopea	8	43 31,58	4,418	23 24 20,2	18,048	369
3489	Cassiopea	8½	43 31,64	4,418	23 24 23,6	18,048	379
3490	Cetus	9½	43 35,54	3,046	92 20 20,1	18,045	392
3491	Cassiopea	9½	43 36,20	4,564	21 21 10,0	18,045	375
3492	Cetus	8	43 36,36	3,162	81 2 5,9	18,044	205
3493	Cetus	8	43 36,44	3,162	81 2 5,0	18,044	42
3494	Aries β	3	43 36,74	3,280	70 10 27,3	18,044	206
3495	Aries β	.	43 36,78	3,280	70 10 31,1	18,044	35
3496	Triangulum ..	8	43 36,93	3,365	63 8 44,3	18,044	199
3497	Aries β	3	43 37,14	3,280	70 10 30,9	18,044	203
3498	Aries β	3½	43 37,22	3,280	70 10 32,3	18,044	33
3499	Andromeda ..	8	43 37,79	3,593	48 8 29,1	18,044	4
3500	Perseus	7	43 39,67	3,826	37 40 55,2	18,042	390
3501	Triangulum ..	7½	43 46,00	3,378	62 11 19,2	18,038	574
3502	Cetus	8	43 47,30	3,166	80 37 33,4	18,038	205
3503	Triangulum ..	8½	43 47,62	3,362	63 26 11,6	18,037	199
3504	Cetus	7½	43 49,42	3,150	82 12 32,9	18,036	42
3505	Cassiopea	9	43 49,58	4,399	23 45 24,6	18,036	369
3506	Cetus	8	43 49,77	3,158	81 27 25,5	18,036	205
3507	Cassiopea	9	43 50,20	4,400	23 45 29,0	18,036	379
3508	Andromeda ..	8	43 51,82	3,598	47 55 47,3	18,035	4
3509	Triangulum ..	8½	43 53,47	3,359	63 43 21,9	18,034	199
3510	Aries	9	43 54,58	3,244	73 26 9,4	18,033	192
3511	Perseus	7	43 58,30	3,807	38 29 52,0	18,031	390
3512	Perseus	9	43 58,69	3,807	38 29 45,1	18,030	369
3513	Cassiopea	9	43 59,77	4,094	29 47 24,1	18,029	372
3514	Aries	9	44 3,89	3,203	77 13 54,7	18,027	39
3515	Aries	8	44 4,28	3,203	77 13 50,5	18,026	38
3516	Andromeda ..	8½	44 5,47	3,510	53 7 17,1	18,026	139
3517	Andromeda ..	6	44 7,29	3,501	53 42 35,6	18,025	126
3518	Andromeda ..	7½	44 7,56	3,656	45 ■ 56,1	18,024	249
3519	Andromeda ..	8	44 8,45	3,656	45 0 54,7	18,024	120
3520	Triangulum ..	9	1 44 8,51	+3,445	57 24 56,8	-18,024	198

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3521	Cassiopea	8	1	44	10,19	+4,392	23	56	21,9	-18,023	369
3522	Cassiopea	8		44	10,39	4,392	23	56	25,3	18,023	379
3523	Cetus	9		44	17,54	3,047	92	11	12,8	18,018	392
3524	Andromeda ..	6		44	19,09	3,501	53	44	10,6	18,017	126
3525*	Triangulum ..	9		44	20,10	3,418	59	20	50,0	18,016	124
3526	Pisces	8½		44	26,05	3,094	87	35	43,2	18,013	47
3527	Aries	8½		44	26,26	3,220	75	38	36,4	18,012	38
3528	Cetus	8½		44	26,95	2,938	102	36	55,6	18,012	245
3529	Andromeda ..	7		44	27,22	3,580	49	5	40,5	18,012	4
3530	Andromeda ..	8		44	27,35	3,580	49	5	39,1	18,012	140
3531	Triangulum ..	8½		44	28,53	3,446	57	24	12,8	18,011	198
3532	Andromeda ..	9		44	29,00	3,513	53	1	9,1	18,011	139
3533	Cassiopea	7		44	30,57	4,120	29	17	13,7	18,010	372
3534	Triangulum ..	8		44	30,57	3,392	61	16	19,5	18,010	25
3535	Cetus	9		44	33,01	2,935	102	50	36,7	18,008	245
3536	Cassiopea	8		44	33,11	4,036	31	21	25,9	18,008	368
3537	Andromeda ..	8½		44	39,10	3,631	46	25	10,9	18,004	120
3538	Cetus	9		44	41,03	3,044	92	28	39,5	18,003	392
3539	Cetus	8½		44	43,35	2,987	98	0	53,6	18,002	247
3540	Aries	7		44	43,77	3,315	67	24	32,8	18,001	206
3541	Aries	5		44	43,97	3,315	67	24	29,3	18,001	30
3542	Perseus	9		44	49,43	3,975	33	6	57,6	17,997	370
3543	Pisces	8½		44	50,74	3,126	84	32	54,7	17,997	43
3544	Perseus	8½		44	52,49	3,831	37	49	31,4	17,996	390
3545	Triangulum ..	8½		44	54,09	3,364	63	30	37,8	17,995	199
3546	Aries	8½		44	58,02	3,191	78	24	45,6	17,992	39
3547	Cassiopea	6½		45	2,70	4,264	26	21	37,8	17,989	378
3548	Andromeda ..	9		45	3,21	3,668	44	39	38,9	17,989	249
3549	Cassiopea	9		45	3,70	4,424	23	35	59,0	17,988	369
3550	Cassiopea	9		45	4,32	4,424	23	36	3,2	17,988	379
3551	Cetus	8½		45	6,22	2,938	102	29	53,1	17,987	245
3552	Andromeda ..	9		45	8,23	3,580	49	13	14,7	17,985	4
3553	Andromeda ..	8½		45	8,65	3,667	44	46	11,0	17,985	249
3554	Andromeda ..	8		45	8,81	3,581	49	13	5,3	17,985	140
3555	Andromeda ..	9		45	10,53	3,502	53	53	18,9	17,984	126
3556	Aries	9		45	21,98	3,188	78	41	40,0	17,977	39
3557	Perseus	9½		45	22,23	3,976	33	12	36,9	17,976	370
3558	Andromeda ..	8		45	23,82	3,627	46	46	36,4	17,976	120
3559	Perseus	9		45	23,85	3,744	41	20	18,6	17,976	369
3560	Perseus	7	1	45	23,99	+3,744	41	20	19,2	-17,975	310

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3561	Perseus	8	1 45 30.05	+3,833	37 54 29.5	-17,971	390
3562	Cassiopea	6	45 33.43	5,509	13 41 27.9	17,969	351
3563	Pisces	7	45 34.06	3,079	89 8 49.3	17,969	47
3564	Andromeda ..	8½	45 34.30	3,674	44 30 37.9	17,968	249
3565	Perseus	9	45 35.95	3,906	35 24 9.1	17,968	373
3566	Cetus	9	45 37.68	3,016	95 7 30.4	17,966	135
3567	Fornax	6½	45 48.65	2,778	116 2 41.6	17,959	559
3568	Cassiopea	9	45 48.97	4,062	30 58 22.7	17,959	368
3569	Cassiopea	9	45 50.00	4,062	30 58 28.7	17,958	372
3570	Cetus	8½	45 50.36	3,148	82 28 18.7	17,958	42
3571	Andromeda ..	7	45 51.26	3,583	49 17 20.0	17,958	4
3572	Andromeda ..	8	45 51.30	3,583	49 17 17.5	17,958	140
3573	Andromeda ..	8	45 52.14	3,566	50 13 7.1	17,957	140
3574	Fornax	8	45 53.15	2,790	115 8 26.8	17,957	558
3575	Andromeda ..	•	45 53.50	3,499	54 12 43.4	17,956	126
3576	Aries	9	45 54.33	3,247	73 28 13.7	17,956	192
3577	Triangulum ..	9	45 54.47	3,449	57 33 20.2	17,956	198
3578	Perseus	6	45 55.30	3,737	41 46 51.4	17,955	305
3579	Andromeda ..	9	45 56.70	3,527	52 32 12.9	17,954	139
3580	Andromeda ..	8	46 1.68	3,578	49 35 54.7	17,951	140
3581	Triangulum ..	8	46 2.02	3,458	56 56 26.0	17,951	133
3582	Andromeda ..	8	46 13.22	3,650	45 51 31.7	17,943	120
3583	Cetus	8	46 13.77	3,016	95 9 53.7	17,943	135
3584	Cetus	8½	46 13.96	3,016	95 9 49.6	17,943	390
3585	Triangulum ..	8	46 14.04	3,455	57 10 34.8	17,943	198
3586	Triangulum ..	8	46 14.09	3,455	57 10 31.2	17,943	133
3587	Perseus	9	46 15.67	3,918	35 11 43.2	17,941	373
3588	Cassiopea	9	46 16.88	4,282	26 15 30.0	17,941	378
3589	Perseus	9	46 17.51	3,916	35 16 2.2	17,940	373
3590	Cetus	8½	46 22.67	2,833	111 32 39.7	17,937	391
3591	Triangulum ..	5½	46 23.91	3,372	63 10 34.1	17,936	574
3592	Triangulum ..	6½	46 24.32	3,372	63 10 31.6	17,936	199
3593	Cassiopea	9	46 24.52	4,064	31 4 5.1	17,936	368
3594	Aries	5½	46 26.75	3,251	73 9 52.4	17,935	34
3595	Aries	6	46 26.99	3,251	73 9 53.3	17,935	192
3596	Triangulum ..	7	46 39.06	3,383	62 27 39.4	17,926	574
3597	Cetus	8½	46 43.53	3,057	91 13 22.9	17,923	392
3598	Andromeda ..	9	46 45.68	3,494	54 43 44.9	17,922	126
3599	Aries	λ 5	46 48.97	3,320	67 23 8.0	17,920	206
3600	Aries	λ 4½	1 46 49.10	+3,320	67 23 4.8	-17,920	30

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3601	Aries λ	5	1 46 49.24	+3,320	67 23 13.2	-17,920	35
3602	Cassiopea	5	46 49.41	5,335	14 51 30.0	17,920	351
3603	Aries	9	46 50.72	3,320	67 22 33.0	17,919	206
3604	Aries	8	46 51.20	3,320	67 22 38.8	17,919	30
3605	Aries . . . . .	.	46 53.36	3,293	69 36 43.2	17,917	33
3606	Cassiopea	8	46 55.42	4,070	31 1 2.1	17,916	368
3607	Cassiopea	9	46 56.29	4,071	31 0 20.1	17,915	372
3608	Triangulum . .	8	46 57.05	3,454	57 25 10.1	17,915	198
3609	Aries	9	46 57.55	3,213	76 35 50.1	17,914	38
3610	Andromeda . .	.	46 57.76	3,646	46 15 23.1	17,914	120
3611*	Andromeda . .	9	46 59.48	3,501	54 22 40.6	17,913	126
3612	Andromeda . .	8	47 0.61	3,518	53 17 40.7	17,912	139
3613	Andromeda . .	9	47 3.80	3,676	44 49 48.2	17,911	249
3614	Perseus	8	47 5.74	3,750	41 30 18.1	17,909	305
3615	Aries	8½	47 8.61	3,249	73 26 26.8	17,907	192
3616	Aries	9	47 9.89	3,348	65 11 25.0	17,906	199
3617	Cetus	8	47 16.33	2,976	98 47 51.4	17,902	248
3618	Cetus	5	47 18.03	2,807	113 30 33.6	17,901	558
3619	Triangulum . .	8½	47 20.70	3,467	56 38 22.9	17,899	133
3620	Cetus	6	47 24.19	2,950	101 12 37.1	17,897	246
3621	Triangulum . .	7½	47 26.59	3,451	57 45 0.6	17,895	198
3622	Aries	8½	47 26.63	3,258	72 42 21.0	17,895	34
3623	Triangulum . .	8½	47 30.62	3,390	62 6 51.0	17,892	574
3624	Cetus	8	47 35.11	2,979	98 31 1.4	17,890	248
3625	Cassiopea	9	47 37.82	4,615	21 23 31.3	17,888	375
3626	Andromeda . .	8½	47 38.20	3,584	49 37 38.0	17,888	140
3627	Cetus	8½	47 38.40	2,880	107 24 20.4	17,888	463
3628	Cassiopea	9	47 40.30	4,077	31 0 13.3	17,886	368
3629	Cassiopea	9	47 40.45	4,070	31 10 19.5	17,886	368
3630	Cassiopea	8	47 40.74	4,077	31 1 5.3	17,886	372
3631	Cetus	8	47 42.61	2,865	108 39 19.2	17,885	463
3632	Fornax	7½	47 46.82	2,766	116 36 8.8	17,882	559
3633	Cetus	9	47 47.09	3,037	93 4 45.1	17,882	392
3634	Cetus	9	47 47.51	3,037	93 4 56.3	17,881	390
3635	Aries	8½	47 49.07	3,232	75 2 55.5	17,881	192
3636	Cetus	6½	47 49.66	3,037	93 2 25.0	17,880	392
3637	Cetus	6	47 50.21	3,037	93 2 23.2	17,880	390
3638	Cetus . . . . .	.	47 51.31	3,175	80 11 6.4	17,879	205
3639	Andromeda . .	7	47 57.55	3,644	46 33 27.6	17,875	120
3640	Aries	7	1 47 58.05	+3,260	72 37 12.8	-17,874	34

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3641	Cassiopea	9	1	48	0,80	+4,571	32	1	31,1
3642	Cetus	9		48	2,36	2,787	114	58	31,8
3643	Perseus	8½		48	3,39	3,863	37	27	4,0
3644	Andromeda ..	8		48	4,62	3,639	46	52	27,9
3645	Aries	7½		48	6,68	3,338	66	9	0,1
3646	Cetus	9½		48	6,79	2,995	97	1	6,2
3647	Andromeda ..	9		48	8,53	3,510	54	14	55,7
3648	Cetus	8		48	8,70	2,882	107	7	55,7
3649	Cassiopea	6½		48	8,76	4,312	26	4	27,3
3650	Cetus	8		48	16,09	3,037	93	5	20,0
3651	Fornax	9		48	19,77	2,766	116	29	16,1
3652	Cassiopea	6½		48	21,69	4,287	26	35	7,8
3653	Andromeda ..	8		48	22,78	3,539	52	22	43,2
3654	Pisces	9		48	27,26	3,130	84	18	15,0
3655	Aries . . . . .	.		48	31,33	3,293	69	55	7,9
3656	Cetus	8½		48	32,89	2,977	98	35	48,8
3657	Pisces	10		48	36,43	3,128	84	31	35,5
3658	Perseus	8½		48	36,98	3,777	40	48	25,0
3659	Andromeda ..	8½		48	39,72	3,589	49	36	50,2
3660	Cassiopea	9		48	44,02	4,075	31	17	11,9
3661	Cetus	8		48	44,32	2,928	103	1	15,4
3662	Cetus	8		48	44,44	2,928	103	1	14,4
3663	Aries	7		48	44,53	3,192	78	40	50,7
3664	Triangulum ..	9½		48	47,02	3,433	59	17	11,7
3665	Fornax	9		48	50,10	2,746	117	55	8,3
3666	Cetus	9½		48	55,90	3,063	90	28	16,3
3667	Cetus	6½		48	57,22	2,937	102	16	25,8
3668	Aries	8½		48	57,23	3,233	75	1	2,6
3669	Perseus	8		48	57,72	3,844	38	19	3,9
3670	Andromeda ..	9		49	1,32	3,543	52	17	32,2
3671	Perseus	6		49	4,54	3,898	36	29	12,0
3672	Andromeda ..	8		49	7,96	3,588	49	45	46,3
3673	Aries	8		49	10,85	3,344	65	55	24,0
3674	Perseus	7		49	13,72	3,874	37	20	49,0
3675	Triangulum ..	8½		49	19,66	3,489	55	40	27,4
3676	Perseus	8½		49	26,93	3,787	40	36	24,9
3677	Triangulum ..	8		49	29,14	3,404	61	25	42,2
3678	Pisces	7		49	30,84	3,124	84	56	25,9
3679	Cetus	8		49	30,90	2,794	114	7	6,2
3680	Cetus	8½	1	49	31,17	+2,929	102	52	28,5
									-17,812

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3681	Triangulum ..	8	1 49 32.27	+3,400	61° 44' 6.1	-17.812	25
3682	Triangulum ..	7½	49 32.63	3,400	61 44 11.5	17,811	574
3683	Aries	9	49 36.37	3,194	78 36 3.8	17,809	39
3684	Cetus	7	49 40.04	2,797	113 54 1.6	17,807	558
3685	Cassiopea ...	9	49 41.85	4,567	22 21 50.9	17,805	375
3686	Cetus	8	49 43.63	3,134	84 3 24.8	17,804	43
3687	Andromeda ..	9½	49 44.70	3,583	50 13 20.8	17,803	140
3688	Pisces	6	49 45.64	3,093	87 51 51.8	17,803	47
3689	Cetus	7½	49 45.80	3,174	80 20 44.9	17,802	205
3690	Cassiopea	7½	49 48.02	4,346	25 47 4.6	17,801	378
3691	Andromeda ..	7	49 48.92	3,705	44 7 48.0	17,800	249
3692	Cetus	7	49 49.07	2,906	104 50 58.6	17,800	478
3693	Cetus	6½	49 49.41	2,906	104 50 59.4	17,800	247
3694	Triangulum ..	8½	49 51.46	3,460	57 39 27.8	17,799	198
3695	Cetus	8½	49 57.92	2,983	97 59 32.2	17,794	248
3696	Pisces	8	49 58.36	3,106	86 35 11.7	17,794	45
3697	Aries	7½	49 58.68	3,338	66 31 51.1	17,794	30
3698	Cetus	8½	50 3.90	2,912	104 17 33.8	17,790	478
3699	Cetus	8½	50 4.33	3,013	95 15 32.1	17,790	390
3700	Cetus	8½	50 4.49	3,013	95 15 38.7	17,790	135
3701	Cetus	8½	50 6.97	2,789	114 24 54.8	17,788	558
3702	Fornax	6	50 9.18	2,749	117 24 33.2	17,787	559
3703	Fornax	6½	50 9.46	2,749	117 24 44.1	17,787	561
3704	Cetus	6½	50 9.75	3,023	94 20 37.7	17,787	390
3705	Perseus	9	50 11.07	3,912	36 16 38.1	17,786	373
3706	Cassiopea	8½	50 17.62	4,111	30 43 19.6	17,781	372
3707	Aries	8	50 18.65	3,242	74 24 23.8	17,780	192
3708	Cassiopea	8	50 19.06	4,307	26 35 6.5	17,780	378
3709	Andromeda ..	.	50 20.56	3,515	54 15 8.0	17,779	126
3710	Cetus	5	50 21.52	2,822	111 48 1.8	17,778	464
3711	Cetus	5	50 22.18	2,822	111 48 7.5	17,778	391
3712	Cetus	8	50 22.31	2,909	104 31 13.9	17,778	247
3713*	Cetus	8	50 22.76	2,909	104 31 5.9	17,777	478
3714	Aries	8½	50 24.98	3,199	78 9 55.3	17,777	39
3715	Aries	7	50 25.50	3,325	67 34 38.1	17,776	35
3716	Cassiopea	9	50 29.11	6,181	11 16 11.6	17,773	351
3717	Cetus	7	50 31.72	2,966	99 29 54.9	17,772	246
3718	Cetus	9	50 31.88	3,177	80 8 1.7	17,771	205
3719	Perseus	7½	50 33.56	3,824	39 25 50.9	17,771	390
3720	Aries	1 50 34.43	+3,259	73 1 6.0	-17,770	34

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3721	Cetus ν	4	1 50 34.63	+2,818	112 3 3.6	-17,770	464
3722	Aries	8	50 34.79	3,259	73 0 59.6	17,770	192
3723	Triangulum ..	8	50 35.02	3,464	57 33 44.8	17,769	198
3724	Cetus μ	4	50 35.04	2,818	112 3 11.8	17,769	391
3725	Andromeda ..	8	50 35.29	3,698	44 37 12.4	17,769	249
3726	Andromeda ..	9	50 37.42	3,529	53 28 24.4	17,768	139
3727	Andromeda ..	9	50 37.54	3,529	53 28 24.3	17,768	126
3728	Perseus	9	50 40.68	4,028	32 57 14.4	17,766	368
3729	Andromeda ..	8½	50 42.66	3,687	45 11 22.6	17,764	120
3730	Cassiopea	7	50 44.60	6,188	11 16 11.7	17,763	351
3731	Cetus	7	50 54.56	2,966	99 26 35.7	17,756	246
3732	Cetus	8	50 55.08	3,032	93 28 15.1	17,756	392
3733	Cetus	8	50 55.73	3,032	93 28 19.5	17,755	390
3734	Triangulum ..	9	50 58.61	3,419	60 41 55.1	17,753	124
3735	Triangulum ..	8	50 58.93	3,471	57 12 23.0	17,753	133
3736	Perseus	8	50 59.34	3,799	40 28 8.9	17,753	310
3737	Cetus	9½	51 0.26	3,012	95 14 42.8	17,752	135
3738	Aries	7	51 2.06	3,226	75 54 25.0	17,751	38
3739	Cassiopea	9	51 5.22	4,123	30 36 54.6	17,749	372
3740	Perseus	8½	51 12.80	3,840	39 ■ 4.5	17,744	369
3741	Perseus	6½	51 12.98	3,840	39 0 7.5	17,744	390
3742	Cetus	8	51 16.09	2,937	102 1 34.1	17,742	245
3743	Andromeda ..	8½	51 18.83	3,534	53 20 29.4	17,739	126
3744	Triangulum . ϵ	6	51 19.31	3,465	57 41 10.0	17,739	198
3745	Cetus	7½	51 19.35	3,145	83 6 20.7	17,739	42
3746	Cetus	8	51 19.94	3,145	83 6 18.8	17,739	43
3747	Cetus	9	51 20.10	3,007	95 46 24.3	17,739	135
3748	Aries	8½	51 21.78	3,278	71 34 52.1	17,738	34
3749	Triangulum ..	8	51 22.15	3,399	62 11 4.0	17,737	574
3750	Triangulum ..	9	51 22.31	3,399	62 11 0.1	17,737	25
3751	Perseus	9	51 22.56	3,923	36 12 46.3	17,737	373
3752	Aries	9	51 23.43	3,302	69 36 8.7	17,736	33
3753	Aries	9	51 23.93	3,193	78 47 17.3	17,736	41
3754	Fornax	7	51 27.57	2,773	115 23 29.7	17,734	558
3755	Fornax	7	51 27.87	2,773	115 23 27.8	17,733	559
3756	Cassiopea	9	51 30.65	4,332	26 21 30.6	17,732	378
3757	Perseus	7½	51 38.11	3,952	35 20 33.8	17,726	370
3758*	Perseus	7	51 38.39	3,952	35 20 37.6	17,726	373
3759	Aries	9	51 38.84	3,232	75 28 30.5	17,726	38
3760	Andromeda . γ	2½	1 51 40.50	+3,621	48 38 12.6	-17,725	249

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3761	Aries	7½	1 51 40,59	+3,200	78 16 58,8	-17,725	39
3762	Andromeda .γ	.	51 40,65	3,621	48 38 15,2	17,725	309
3763	Andromeda .γ	.	51 40,83	3,621	48 38 15,1	17,725	140
3764	Andromeda .γ	.	51 41,10	3,621	48 38 6,6	17,724	249
3765	Andromeda .γ	2	51 41,27	3,621	48 38 21,6	17,724	4
3766	Triangulum ..	8½	51 41,35	3,451	58 34 32,0	17,724	198
3767	Andromeda ..	8	51 41,40	3,621	48 38 11,1	17,724	140
3768	Pisces.....α	3½	51 42,77	3,089	88 12 27,9	17,723	47
3769	Fornax	8½	52 0,38	2,728	118 34 54,0	17,711	561
3770	Triangulum ..	8	52 0,85	3,503	55 22 38,3	17,711	126
3771	Cassiopea	9	52 1,03	4,698	21 5 3,1	17,711	375
3772	Pisces.....	9	52 6,77	3,090	88 9 19,8	17,707	47
3773	Cetus	8	52 8,49	2,927	102 47 27,5	17,706	245
3774	Triangulum ..	8	52 9,04	3,474	57 16 15,1	17,705	133
3775	Cetus	9	52 10,93	3,144	83 10 40,1	17,704	43
3776	Cetus	9	52 11,10	3,145	83 10 43,0	17,704	42
3777	Aries	7½	52 18,40	3,181	79 57 2,3	17,699	41
3778	Fornax	6	52 18,55	2,692	120 57 54,9	17,699	561
3779	Aries	6½	52 18,75	3,181	79 57 0,7	17,699	205
3780	Andromeda ..	9	52 19,53	3,569	51 33 58,2	17,698	139
3781*	Aries	5	52 19,94	3,363	65 2 3,3	17,698	30
3782	Aries	6	52 20,23	3,363	65 2 4,5	17,697	199
3783	Cetus	8	52 21,75	2,871	107 32 21,7	17,697	463
3784	Andromeda ..	9	52 27,79	3,713	44 23 32,4	17,693	249
3785	Triangulum ..	8½	52 29,02	3,418	61 3 39,0	17,692	124
3786	Perseus	6½	52 33,51	3,813	40 19 16,0	17,688	310
3787	Perseus	9	52 38,49	4,018	33 39 27,2	17,685	370
3788	Cetus	7	52 43,60	3,033	93 20 37,4	17,682	390
3789	Andromeda ..	8½	52 44,55	3,572	51 31 50,3	17,681	139
3790	Aries	6	52 45,67	3,266	72 42 50,1	17,680	34
3791	Cetus	9	52 51,40	2,911	104 6 37,1	17,676	478
3792	Fornax	8	52 55,23	2,774	115 11 43,1	17,673	558
3793	Cetus	6½	52 56,74	3,060	90 50 29,0	17,673	48
3794	Cetus	5½	52 57,40	3,060	90 50 24,5	17,672	392
3795	Aries	6½	53 2,65	3,364	65 2 50,5	17,669	30
3796	Aries	8	53 2,95	3,364	65 2 46,6	17,668	199
3797	Triangulum ..	8½	53 13,34	3,431	60 15 19,3	17,662	124
3798	Cetus	8	53 15,65	2,801	112 56 1,1	17,660	391
3799	Triangulum ..	8½	53 19,03	3,409	61 53 33,6	17,657	574
3800	Cetus	8	1 53 22,61	+3,011	95 17 55,4	-17,655	135

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3801	Cetus	8	1 53 22.61	+3,011	95 17 54.4	-17,655	390
3802	Perseus	8½	53 24.04	3,780	41 48 34.8	17,653	305
3803	Cetus	8	53 27.34	3,149	82 52 9.9	17,651	42
3804	Cetus	8	53 27.47	3,149	82 52 6.9	17,651	43
3805	Andromeda ..	8½	53 27.61	3,527	54 15 30.5	17,651	126
3806	Fornax	7½	53 28.44	2,736	117 42 50.0	17,651	561
3807	Andromeda ..	9	53 31.94	3,678	46 13 15.1	17,648	120
3808	Cetus	7½	53 34.13	3,055	91 18 11.9	17,647	48
3809	Cetus	6	53 34.78	3,055	91 18 19.5	17,646	392
3810	Andromeda ..	8	53 35.62	3,726	44 6 10.2	17,646	249
3811	Cetus	6	53 36.48	3,013	95 4 1.9	17,645	390
3812	Cetus	6½	53 36.68	3,013	95 4 7.9	17,645	135
3813	Fornax	6	53 37.60	2,777	114 41 14.5	17,644	558
3814	Andromeda ..	9	53 41.67	3,729	44 0 26.2	17,641	249
3815	Cetus	8½	53 41.78	2,801	112 52 45.5	17,641	391
3816	Perseus	8½	53 43.54	3,838	39 38 9.5	17,640	310
3817	Andromeda ..	8½	53 43.59	3,582	51 12 14.3	17,640	140
3818	Cetus	7½	53 44.06	2,953	100 25 35.0	17,640	246
3819	Andromeda ..	8	53 44.50	3,582	51 12 16.3	17,639	139
3820	Andromeda ..	9	53 46.22	3,731	43 54 56.1	17,638	249
3821	Cetus	8	53 46.24	3,008	95 32 29.2	17,638	135
3822	Cassiopea	9	53 46.84	4,380	25 55 29.9	17,638	378
3823	Triangulum ..	8	53 49.32	3,410	61 51 38.6	17,636	574
3824	Triangulum ..	9	53 49.59	3,411	61 51 31.2	17,636	25
3825	Andromeda ..	8	53 50.37	3,615	49 25 44.0	17,635	140
3826	Fornax	8½	53 58.98	2,762	115 45 18.2	17,630	559
3827	Cassiopea	7½	54 8.16	6,135	11 46 19.7	17,623	351
3828	Perseus	8½	54 10.31	4,019	33 56 5.0	17,621	370
3829	Perseus	8½	54 11.52	4,022	33 51 23.8	17,621	370
3830	Cetus	7	54 18.92	3,146	83 13 43.5	17,615	43
3831	Cetus	7	54 19.11	3,146	83 13 45.6	17,615	42
3832	Cetus	8½	54 22.47	2,919	103 16 14.9	17,613	478
3833	Cetus	7½	54 22.72	2,856	108 28 38.8	17,613	463
3834	Cetus	7½	54 22.92	3,173	80 50 54.1	17,612	41
3835	Cetus	7	54 23.30	3,173	80 50 52.3	17,612	205
3836	Andromeda ..	8	54 24.77	3,569	52 3 53.0	17,611	139
3837	Cetus	6½	54 26.75	2,924	102 49 28.1	17,610	245
3838	Andromeda ..	.	54 28.60	3,600	50 21 18.8	17,609	140
3839	Cassiopea	8½	54 36.20	4,092	32 5 40.6	17,604	368
3840	Triangulum ..	9½	1 54 38.52	+3,485	57 3 45.8	-17,602	198

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3841	Perseus	8	1 54 40,94	+3,838	39 51 45,8	-17,600	310
3842	Andromeda ..	8	54 42,17	3,685	46 11 56,1	17,599	120
3843	Triangulum ..	8½	54 42,88	3,441	59 57 56,3	17,599	124
3844	Cetus	7½	54 45,92	3,173	80 53 11,2	17,597	41
3845	Cetus	7	54 46,36	3,173	80 53 13,4	17,596	205
3846	Aries	8½	54 47,94	3,262	73 18 44,7	17,595	192
3847	Perseus	7½	54 49,27	4,076	32 32 12,2	17,594	368
3848	Cetus	8	54 55,05	3,036	93 0 5,4	17,590	392
3849	Andromeda ..	8½	54 57,87	3,663	47 19 18,8	17,588	4
3850	Aries	8½	55 0,64	3,211	77 37 13,6	17,586	39
3851	Cetus	8	55 2,08	3,048	91 55 56,0	17,585	392
3852	Cetus	8½	55 5,23	3,009	95 22 4,0	17,583	135
3853	Aries	8	55 13,17	3,300	70 22 4,9	17,578	33
3854	Cetus	7½	55 14,65	2,857	108 15 6,4	17,576	463
3855	Aries	7	55 16,26	3,349	66 37 4,3	17,575	30
3856	Cetus	8	55 17,09	3,134	84 17 1,5	17,575	43
3857	Triangulum ..	7½	55 20,37	3,417	61 41 33,3	17,572	574
3858	Perseus	8½	55 20,65	4,029	33 55 20,3	17,572	370
3859	Aries	7	55 23,57	3,369	65 7 52,1	17,570	30
3860	Aries .....x	5	55 23,83	3,326	68 18 37,1	17,570	35
3861	Andromeda ..	8	55 25,18	3,680	46 35 52,6	17,569	120
3862	Cetus	8½	55 25,59	3,134	84 17 1,6	17,569	43
3863	Aries	5½	55 30,79	3,367	65 15 23,4	17,565	30
3864	Fornax	5½	55 31,04	2,693	120 15 41,2	17,565	561
3865	Andromeda ..	8	55 37,84	3,656	47 48 2,6	17,560	4
3866	Cetus	7½	55 39,37	3,152	82 42 47,1	17,559	42
3867	Aries	8	55 43,80	3,213	77 29 56,6	17,556	39
3868	Perseus	8½	55 44,95	4,030	33 57 56,5	17,555	370
3869	Aries	9	55 53,55	3,227	76 22 33,6	17,549	38
3870*	Aries .....α	2	55 54,22	3,338	67 29 22,5	17,549	350
3871	Aries .....α	•	55 55,29	3,338	67 29 22,9	17,548	33
3872	Aries .....α	3	55 55,60	3,338	67 29 23,5	17,548	206
3873	Aries .....α	3	55 55,66	3,338	67 29 23,6	17,548	203
3874	Aries .....α	2	55 55,74	3,338	67 29 25,7	17,547	199
3875	Aries .....α	3	55 56,21	3,338	67 29 25,1	17,547	35
3876	Aries	9	56 1,85	3,178	80 28 58,9	17,543	41
3877	Aries	8	56 2,23	3,178	80 28 53,1	17,543	205
3878	Triangulum ..	7½	56 3,56	3,517	55 24 11,4	17,542	133
3879	Andromeda ..	9	56 3,85	3,658	47 45 58,7	17,542	4
3880	Cetus	9	1 56 5,09	+2,895	105 5 42,2	-17,541	478

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3881	Cassiopea	9	1 56 54.7	+4.116	31 48 22.7	-17.541	368
3882	Triangulum ..	8	56 6.56	3.426	61 12 50.7	17.540	124
3883	Andromeda ..	7	56 8.22	3.686	46 29 46.6	17.539	120
3884	Perseus	8	56 8.34	3.846	39 53 5.9	17.538	310
3885	Perseus	9½	56 8.43	4.108	32 1 14.0	17.538	368
3886	Cetus	7½	56 12.45	3.009	95 19 29.0	17.536	135
3887*	Triangulum ..	9	56 13.48	3.425	61 19 32.8	17.535	124
3888	Cetus	7½	56 15.07	3.059	90 55 32.8	17.534	48
3889	Cetus	6	56 15.46	3.059	90 55 30.8	17.533	392
3890	Cetus	6½	56 21.21	2.941	101 14 7.6	17.530	246
3891	Cetus	7½	56 21.21	2.941	101 14 4.5	17.530	245
3892	Andromeda ..	6	56 27.81	3.558	53 5 48.0	17.525	126
3893	Andromeda ..	6	56 27.88	3.558	53 5 51.8	17.525	128
3894	Andromeda ..	6	56 27.88	3.558	53 5 51.1	17.525	139
3895	Triangulum ..	8	56 29.96	3.425	61 23 16.0	17.523	124
3896	Andromeda ..	9½	56 31.51	3.607	50 27 45.2	17.522	140
3897	Cetus	9	56 36.40	2.944	100 57 1.5	17.519	246
3898	Cetus	9½	56 36.48	2.944	100 57 3.3	17.519	245
3899	Cetus	9	56 38.05	3.142	83 39 27.8	17.518	43
3900	Andromeda ..	8	56 38.26	3.719	45 7 2.3	17.517	249
3901	Aries	9	56 42.73	3.240	75 22 6.4	17.514	192
3902	Cetus	8	56 44.31	2.878	106 24 16.1	17.513	250
3903	Perseus	8	56 47.86	3.932	37 6 42.6	17.511	373
3904	Aries	6	56 48.61	3.270	72 55 44.2	17.510	34
3905	Cetus	8½	56 49.81	2.896	104 51 57.0	17.509	478
3906	Andromeda ..	9½	56 52.63	3.614	50 9 44.1	17.507	140
3907	Cetus	6	56 58.93	3.010	95 10 32.4	17.503	390
3908	Cetus	8	56 59.03	3.010	95 10 31.8	17.503	135
3909	Cetus	8½	57 2.74	3.160	82 6 49.4	17.500	42
3910	Andromeda ..	8	57 8.47	3.695	46 16 52.6	17.496	120
3911	Triangulum ..	9	57 9.33	3.523	55 16 36.4	17.495	133
3912	Aries	8	57 11.39	3.243	75 9 5.2	17.494	192
3913	Aries	7½	57 11.55	3.243	75 9 5.3	17.494	38
3914	Cetus	8	57 12.32	3.123	85 19 49.1	17.493	45
3915	Andromeda ..	9½	57 13.95	3.788	42 21 13.5	17.492	305
3916	Fornax	8½	57 15.92	2.755	115 38 17.7	17.490	559
3917	Fornax	8	57 16.05	2.771	114 31 35.3	17.490	558
3918	Cetus	8	57 19.62	3.127	84 58 16.7	17.488	45
3919	Cetus	9	57 22.38	2.873	106 39 50.6	17.486	250
3920	Andromeda ..	.	1 57 23.79	+3.641	48 56 53.5	-17.485	4

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3921*	Cetus	7	1 57 24.89	+2.830	110 5 40.8	-17.484	464
3922	Cetus	8	57 24.91	3.052	91 33 20.4	17.484	48
3923	Cetus	6½	57 25.84	3.052	91 33 18.3	17.483	392
3924	Cetus	8½	57 27.03	2.923	102 38 26.8	17.482	245
3925	Aries	8	57 27.26	3.188	79 45 59.2	17.482	205
3926	Andromeda ..	9½	57 30.24	3.546	54 2 18.0	17.480	126
3927	Cassiopea	9½	57 31.78	5.867	13 12 5.6	17.479	351
3928	Andromeda ..	8	57 32.61	3.688	46 43 26.2	17.479	120
3929	Perseus	7	57 37.24	3.855	39 53 55.1	17.475	310
3930	Andromeda ..	8½	57 40.29	3.550	53 50 15.8	17.473	126
3931	Andromeda ..	8	57 40.56	3.549	53 50 23.7	17.473	129
3932*	Triangulum ..	7	57 40.60	3.513	55 58 3.9	17.473	137
3933	Perseus	8	57 40.80	4.069	33 18 27.3	17.473	370
3934	Triangulum β	4	57 41.01	3.513	55 57 57.1	17.473	133
3935	Triangulum β	4	57 41.02	3.513	55 57 57.0	17.473	133
3936	Triangulum β	4	57 41.15	3.513	55 57 58.0	17.472	198
3937	Andromeda ..	9	57 43.04	3.613	50 25 56.5	17.471	140
3938	Cetus	8	57 44.38	3.161	82 6 23.6	17.470	42
3939	Triangulum ..	7½	57 50.76	3.411	62 33 42.2	17.465	574
3940	Triangulum ..	8½	57 51.42	3.411	62 33 37.1	17.465	25
3941	Aries	9	57 56.54	3.377	65 0 5.3	17.461	199
3942	Andromeda ..	8	58 2.75	3.728	45 1 35.4	17.457	249
3943	Andromeda ..	7½	58 2.84	3.728	45 1 36.2	17.457	388
3944	Aries	7½	58 4.04	3.377	65 0 42.3	17.456	199
3945	Cetus	9	58 14.11	3.054	91 22 32.6	17.449	48
3946	Andromeda ..	8½	58 14.54	3.762	43 36 53.3	17.449	249
3947	Andromeda ..	8½	58 14.81	3.695	46 30 53.1	17.448	120
3948	Cetus	8	58 14.99	3.054	91 22 30.0	17.448	392
3949	Cetus	9	58 23.98	2.919	102 50 8.9	17.442	245
3950	Aries .....	.	58 25.36	3.263	73 43 8.7	17.441	34
3951	Aries	7	58 25.40	3.263	73 43 9.0	17.441	192
3952	Cetus	9½	58 30.10	3.054	91 23 26.2	17.437	48
3953	Cetus	7	58 30.20	2.941	100 59 46.9	17.437	246
3954	Cetus	7	58 31.29	3.054	91 23 32.1	17.437	392
3955	Cetus	9	58 31.89	2.913	103 17 29.3	17.436	478
3956	Triangulum ..	8	58 32.11	3.490	57 35 15.9	17.436	198
3957	Cetus	7½	58 34.28	2.981	97 38 1.3	17.434	464
3958	Cetus	6½	58 34.61	2.981	97 38 5.4	17.434	248
3959	Aries	8	58 38.61	3.303	70 36 21.1	17.431	33
3960	Cassiopea	9	1 58 39.80	+4.535	24 18 8.0	-17.430	379

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3961	Cassiopea	8	1 58 41,56	+4,421	26° 5' 36,5	-17,429	378
3962	Triangulum ..	8½	58 47,65	3,435	61 7 56,1	17,425	124
3963	Andromeda ..	8	58 48,55	3,589	51 54 42,6	17,424	139
3964	Andromeda ..	8½	58 49,28	3,589	51 54 30,7	17,423	139
3965	Andromeda ..	8	58 49,36	3,762	43 44 36,5	17,423	249
3966	Andromeda ..	8	58 50,24	3,762	43 44 35,8	17,423	388
3967	Cetus	7½	58 54,10	3,128	84 58 7,5	17,420	43
3968	Cetus	7½	58 55,31	3,128	84 58 9,0	17,419	45
3969	Cassiopea ..	9½	58 58,06	4,531	24 25 22,2	17,417	379
3970	Andromeda ..	8	59 0,37	3,824	41 21 9,6	17,415	305
3971	Aries	8½	59 1,27	3,213	77 46 38,7	17,415	39
3972	Perseus	9	59 1,71	4,064	33 44 2,1	17,414	370
3973	Cetus	7	59 2,88	3,032	93 17 1,5	17,414	463
3974	Fornax	8	59 3,28	2,744	116 9 4,2	17,413	559
3975	Perseus	8	59 5,77	4,106	32 8 59,1	17,411	368
3976	Fornax	7	59 6,53	2,709	118 31 44,3	17,411	561
3977	Triangulum ..	8½	59 13,16	3,440	60 52 23,9	17,406	124
3978	Cetus	8	59 15,72	3,108	86 43 34,1	17,404	45
3979	Cetus	6	59 16,73	2,844	108 43 52,8	17,404	463
3980	Cetus	6	59 16,92	2,844	108 43 56,0	17,403	464
3981	Aries	8	59 25,26	3,236	75 55 45,9	17,397	38
3982	Andromeda ..	8	59 27,00	3,561	53 35 57,8	17,396	128
3983	Andromeda ..	8	59 27,54	3,561	53 35 53,8	17,396	129
3984	Cassiopea	9	59 27,58	4,522	24 37 33,5	17,396	379
3985	Cetus	7½	59 28,34	3,102	87 10 59,8	17,395	47
3986	Cetus	7½	59 28,79	3,102	87 10 53,9	17,395	45
3987	Cassiopea	8	59 33,46	4,620	23 15 20,6	17,391	375
3988	Aries	6	59 34,06	3,293	71 26 57,2	17,391	194
3989	Aries	6	59 34,28	3,293	71 27 0,7	17,391	34
3990	Triangulum ..	8½	59 34,66	3,438	61 2 33,1	17,390	124
3991	Triangulum ..	9	59 35,12	3,442	60 49 56,9	17,390	25
3992	Triangulum ..	8½	59 35,17	3,442	60 50 8,0	17,390	124
3993	Aries	8	59 38,79	3,238	75 47 55,7	17,388	38
3994*	Aries	7½	59 38,84	3,351	67 9 12,4	17,388	35
3995	Triangulum ..	9	59 38,88	3,533	55 12 34,7	17,388	133
3996	Perseus	8	59 40,84	4,121	32 23 13,6	17,386	368
3997	Triangulum ..	7	59 45,88	3,464	59 25 24,1	17,382	198
3998	Perseus	9	59 46,19	3,964	36 43 43,1	17,382	373
3999	Andromeda ..	8½	59 46,46	3,833	41 9 58,5	17,382	305
4000	Fornax	8	1 59 49,46	+2,774	113 56 38,7	-17,380	391

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4001	Fornax	7½	1 59 50,00	+2,773	113 56 31,7	-17,379	558
4002	Perseus	9	59 50,25	4,130	32 12 11,5	17,379	368
4003	Aries	6	59 51,10	3,381	65 0 46,8	17,379	30
4004	Aries	8½	59 51,28	3,381	65 0 47,6	17,379	199
4005	Cetus	7½	59 53,05	2,820	110 31 17,1	17,377	464
4006	Cetus	9	59 56,61	2,935	101 22 18,6	17,374	245
4007	Cetus	10	59 58,15	3,064	90 27 24,8	17,373	48
4008	Cetus	8	1 59 59,84	2,853	107 55 2,7	17,372	463
4009	Cetus	8	2 0 2,34	3,130	84 51 5,5	17,371	43
4010	Aries	8½	0 5,42	3,384	64 50 34,7	17,368	30
4011*	Aries	9	0 5,50	3,384	64 50 35,4	17,368	199
4012	Andromeda ..	8	0 9,26	3,825	41 33 50,9	17,365	305
4013	Cetus	8½	0 10,14	2,880	105 50 8,5	17,365	250
4014	Aries .....	.	0 11,41	3,319	69 34 19,9	17,364	33
4015	Perseus	7½	0 14,71	3,931	37 53 14,7	17,361	390
4016	Cetus	9	0 16,09	3,157	82 34 49,0	17,360	42
4017	Andromeda ..	8½	0 17,61	3,564	53 34 56,9	17,359	128
4018	Andromeda ..	8½	0 18,24	3,564	53 34 54,9	17,359	129
4019	Cassiopea	8½	0 22,14	6,049	12 40 55,5	17,356	351
4020	Perseus	7½	0 22,64	3,872	39 52 16,3	17,356	369
4021	Perseus	5½	0 23,11	3,872	39 52 17,3	17,355	310
4022	Aries	10	0 23,60	3,205	78 37 23,1	17,355	39
4023	Fornax	6	0 25,32	2,753	115 17 46,9	17,354	559
4024	Aries	9	0 26,16	3,250	74 58 56,4	17,353	192
4025	Andromeda ..	8	0 27,40	3,693	47 6 19,9	17,352	120
4026	Cetus	8½	0 29,33	3,018	94 21 40,6	17,351	390
4027	Andromeda ..	8	0 40,51	3,628	50 16 15,0	17,343	140
4028	Andromeda . b	5½	0 44,49	3,703	46 42 48,5	17,340	120
4029	Andromeda . b	5	0 44,49	3,703	46 43 0,6	17,340	4
4030	Andromeda ..	8½	0 46,82	3,566	53 34 42,0	17,338	128
4031	Andromeda ..	9	0 47,25	3,566	53 34 40,0	17,338	129
4032	Triangulum ..	8	0 48,27	3,477	58 47 48,5	17,337	198
4033	Triangulum ..	6	0 48,47	3,448	60 38 29,0	17,336	124
4034	Triangulum ..	4	0 48,71	3,448	60 38 22,8	17,336	25
4035	Cetus	6½	0 48,87	3,160	82 22 25,6	17,336	42
4036	Triangulum ..	.	0 51,54	3,431	61 44 31,1	17,334	574
4037	Cassiopea	9	0 54,67	4,606	23 39 34,0	17,332	379
4038*	Perseus	8	0 55,43	4,157	32 27 12,0	17,332	368
4039	Aries	8	0 57,35	3,356	66 58 51,6	17,330	35
4040	Andromeda ..	8½	2 0 59,08	+3,626	50 25 58,1	-17,329	140

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4041	Triangulum ..	9½	2	1	0.77	+3,531	55	37	25.3
4042	Cetus	7		1	4.62	2,903	103	52	34.4
4043	Cetus	7		1	4.70	2,903	103	52	33.4
4044	Cetus	9		1	5.17	3,078	89	15	57.9
4045	Cetus	10		1	5.43	3,078	89	15	59.6
4046	Andromeda ..	8		1	14.20	3,633	50	9	18.0
4047	Andromeda ..	6		1	17.39	3,782	43	27	36.2
4048	Andromeda ..	6		1	17.72	3,782	43	27	30.5
4049	Andromeda ..	8½		1	18.62	3,823	41	51	4.2
4050	Cetus	9		1	18.68	2,992	96	35	9.6
4051	Aries	5½		1	20.88	3,359	66	46	42.0
4052	Aries	6		1	20.92	3,359	66	46	42.4
4053	Cetus	7½		1	21.28	3,099	87	29	41.8
4054	Perseus	9		1	22.82	3,986	36	24	41.2
4055	Cetus	7		1	26.24	3,037	92	46	17.2
4056	Cetus	6		1	27.06	3,037	92	46	19.5
4057	Cetus	7		1	29.16	2,876	106	1	3.6
4058	Triangulum ..	7		1	33.34	3,454	60	23	12.8
4059	Perseus	8		1	33.44	4,006	35	51	24.8
4060	Cetus	5½		1	34.24	2,938	100	59	24.4
4061	Aries	9		1	34.56	3,261	74	14	32.4
4062	Andromeda ..	9		1	34.62	3,825	41	51	31.3
4063	Aries η	5½		1	37.73	3,320	69	44	9.5
4064	Cetus	9		1	42.75	2,985	97	5	1.1
4065	Fornax	7		1	42.80	2,692	119	10	11.6
4066	Cetus	8½		1	42.95	2,986	97	4	53.0
4067	Cetus	7½		1	44.72	2,820	110	15	21.3
4068	Aries	7½		1	49.45	3,301	71	7	26.5
4069	Aries	8½		1	49.50	3,301	71	7	24.8
4070	Aries	8		1	49.77	3,301	71	7	25.1
4071	Aries	9		1	51.20	3,182	80	36	55.3
4072	Andromeda ..	8½		1	51.41	3,589	52	32	18.7
4073	Fornax	8½		1	52.29	2,733	116	24	4.9
4074	Cetus..... ξ	5½		1	52.43	3,164	82	5	50.5
4075	Andromeda ..	9½		1	53.44	3,575	53	19	23.9
4076	Aries	8		1	54.42	3,226	77	1	33.9
4077	Cetus	7½		1	55.12	3,091	88	12	5.3
4078	Triangulum ..	8		1	55.44	3,477	59	1	23.9
4079	Perseus	8		1	56.63	4,129	32	38	54.5
4080	Andromeda ..	7	2	1	58.22	+3,819	42	9	37.6
									-17,285

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4081	Andromeda ..	8	2 1 58,46	+3,819	42 9 38,5	-17,285	380
4082	Andromeda ..	7	2 2,88	3,767	44 15 16,4	17,282	388
4083	Andromeda ..	7	2 3,26	3,767	44 15 19,2	17,281	249
4084	Andromeda ..	8½	2 3,50	3,594	52 18 18,5	17,281	139
4085	Cetus	7	2 4,83	2,840	108 41 22,8	17,280	463
4086	Triangulum ..	9	2 7,00	3,520	56 25 38,9	17,279	133
4087	Triangulum ..	8½	2 7,52	3,521	56 25 33,2	17,278	133
4088	Cassiopea	8	2 7,70	4,483	25 40 38,1	17,278	378
4089	Cetus	7	2 7,72	2,823	109 55 32,0	17,278	464
4090	Perseus	9	2 10,01	4,135	32 31 56,5	17,276	368
4091	Aries	6½	2 10,08	3,243	75 39 50,1	17,276	38
4092	Triangulum ..	9	2 11,52	3,523	56 19 16,8	17,275	133
4093	Triangulum ..	8½	2 11,57	3,523	56 19 9,1	17,275	133
4094	Aries	7½	2 20,10	3,382	65 20 39,0	17,269	30
4095	Triangulum ..	.	2 33,03	3,521	56 28 54,1	17,259	133
4096	Cetus	8	2 33,39	3,032	93 10 17,8	17,259	390
4097	Triangulum ..	8	2 33,51	3,521	56 28 55,3	17,259	133
4098	Cetus	9	2 34,03	3,030	93 20 19,2	17,258	390
4099	Cetus	6½	2 34,72	3,030	93 20 8,2	17,258	390
4100	Cetus	6	2 34,91	3,030	93 20 6,1	17,258	202
4101	Cetus	7½	2 35,60	2,839	108 40 19,7	17,258	463
4102	Aries	8	2 37,28	3,397	64 19 5,2	17,256	199
4103	Triangulum ..	.	2 42,90	3,460	60 12 58,9	17,252	124
4104	Cetus	8½	2 43,74	2,797	111 47 31,6	17,251	391
4105	Triangulum ..	8	2 45,40	3,493	58 9 44,1	17,250	198
4106	Aries	7	2 47,46	3,300	71 19 45,3	17,249	34
4107	Aries	7½	2 47,52	3,300	71 19 44,6	17,248	194
4108	Aries	7	2 47,66	3,300	71 19 43,0	17,248	33
4109	Cassiopea	8	2 48,16	4,511	25 20 29,0	17,248	378
4110	Cassiopea	9	2 48,30	4,272	29 35 2,8	17,248	372
4111	Cetus	9	2 52,82	2,793	112 0 35,5	17,245	391
4112	Perseus	8	2 53,12	3,912	39 3 23,8	17,245	390
4113	Cetus	7	3 3,00	3,118	85 55 41,6	17,237	45
4114	Triangulum ..	6½	3 4,36	3,430	62 14 45,7	17,236	574
4115	Triangulum ..	7	3 4,70	3,456	60 32 44,3	17,236	25
4116	Triangulum ..	8	3 5,29	3,456	60 32 46,4	17,235	124
4117	Perseus	8½	3 5,48	3,933	38 23 0,2	17,235	390
4118	Andromeda ..	.	3 6,30	3,800	43 7 39,4	17,235	388
4119	Andromeda ..	7½	3 7,22	3,800	43 7 34,6	17,234	380
4120	Cetus	8	2 3 7,86	+2,901	103 51 14,5	-17,233	478

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4121	Perseus	2 3 16,25	+3,940	38 13 3,0	-17,227	390
4122	Fornax	8½	3 16,38	2,712	117 35 1,3	17,227	561
4123	Andromeda ..	.	3 22,08	3,677	48 28 18,5	17,223	4
4124	Andromeda ..	.	3 25,02	3,621	51 11 59,2	17,221	140
4125	Fornax	8	3 32,10	2,716	117 15 0,2	17,215	561
4126	Perseus	8	3 32,59	4,130	32 54 55,5	17,215	368
4127	Triangulum ..	8	3 33,49	3,499	58 0 19,0	17,214	198
4128	Cassiopea	7½	3 34,02	4,451	26 25 47,2	17,214	378
4129	Andromeda ..	6	3 35,66	3,831	42 3 33,6	17,213	369
4130	Cetus	8	3 36,62	3,022	93 58 25,9	17,212	390
4131	Andromeda ..	.	3 37,10	3,683	48 14 34,3	17,212	4
4132	Triangulum ..	9½	3 41,59	3,563	54 18 47,2	17,208	129
4133	Cetus	6	3 41,70	2,793	111 56 43,0	17,208	391
4134	Cetus	9	3 43,96	2,951	99 45 44,0	17,206	246
4135	Cetus	8	3 43,99	2,874	105 51 4,1	17,206	250
4136	Aries	8	3 44,58	3,343	68 18 27,9	17,206	35
4137	Cassiopea	7½	3 50,95	4,421	26 59 16,8	17,201	377
4138	Triangulum ..	8	3 54,14	3,565	54 15 6,1	17,199	129
4139	Perseus	7	3 56,74	4,128	33 2 12,8	17,197	368
4140	Triangulum ..	8½	3 58,17	3,434	62 7 25,4	17,196	574
4141	Aries	7	3 58,91	3,367	66 39 27,4	17,195	30
4142	Fornax	7½	4 0,79	2,766	113 48 58,8	17,194	558
4143	Cetus	9	4 0,86	2,895	104 13 32,3	17,194	478
4144	Cetus	8	4 1,74	3,139	84 17 18,6	17,193	43
4145	Cetus	6½	4 2,94	2,950	99 52 28,5	17,192	246
4146	Triangulum ..	9½	4 5,11	3,566	54 15 34,2	17,191	129
4147	Persens	7	4 6,56	4,114	33 25 10,2	17,189	368
4148	Triangulum ..	6	4 9,37	3,508	57 34 44,7	17,187	198
4149	Aries	10	4 15,61	3,208	78 42 4,3	17,183	39
4150	Triangulum ..	.	4 16,99	3,524	56 37 54,5	17,181	133
4151	Triangulum ..	9	4 17,99	3,524	56 37 57,8	17,181	133
4152	Cetus	8	4 19,66	3,079	89 15 45,8	17,180	47
4153	Cetus	8	4 20,25	3,078	89 15 46,5	17,179	48
4154	Aries	5½	4 20,75	3,389	65 9 7,1	17,179	30
4155	Aries	6½	4 20,92	3,389	65 9 8,3	17,179	199
4156	Cetus	9	4 21,59	2,995	96 12 29,8	17,178	464
4157	Cetus	8	4 21,90	2,994	96 12 27,8	17,178	310
4158	Aries	5½	4 23,60	3,379	65 53 29,3	17,177	30
4159	Andromeda ..	.	4 26,40	3,758	45 5 56,2	17,174	388
4160	Andromeda ..	8	2 4 27,22	+3,758	45 5 54,7	-17,174	120

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4161	Aries	9½	2 4 28,81	+3,208	78 39 28,2	-17,173	39
4162	Fornax	8	4 29,17	2,734	115 54 3,0	17,172	559
4163	Aries	8½	4 39,72	3,258	74 44 32,8	17,164	192
4164	Triangulum ..	8	4 41,02	3,471	59 53 34,9	17,163	124
4165	Perseus	8	4 44,13	3,920	39 9 21,0	17,161	390
4166	Aries	8½	4 44,65	3,343	68 26 35,3	17,161	35
4167	Cetus	8½	4 44,77	3,105	87 4 58,0	17,161	45
4168	Cetus	9½	4 45,30	3,105	87 4 59,6	17,160	47
4169	Triangulum ..	.	4 50,56	3,452	61 7 52,4	17,156	574
4170	Triangulum δ	5	4 52,87	3,525	56 41 58,5	17,155	128
4171	Triangulum δ	5	4 52,97	3,525	56 41 57,7	17,154	133
4172	Triangulum δ	5½	4 53,03	3,525	56 41 55,0	17,154	133
4173	Cassiopea	8	4 53,75	5,695	14 47 38,0	17,154	351
4174	Cetus	8	4 54,15	3,067	90 13 2,5	17,153	48
4175	Cetus	9	4 55,03	2,899	103 51 10,5	17,153	478
4176	Andromeda ..	9	4 58,12	3,682	48 34 23,1	17,151	4
4177	Cetus	9	4 58,44	2,977	97 35 24,1	17,150	248
4178	Cassiopea	7½	5 1,27	4,456	26 35 46,9	17,148	378
4179	Aries	8½	5 2,22	3,254	75 6 55,4	17,148	192
4180	Aries	9	5 10,75	3,197	79 34 39,6	17,141	41
4181	Andromeda ..	8	5 16,17	3,688	48 20 42,0	17,137	4
4182	Andromeda ..	7½	5 16,95	3,821	42 47 7,1	17,137	380
4183	Triangulum ..	9	5 17,52	3,472	59 55 49,1	17,136	124
4184	Cassiopea	8	5 18,50	4,231	30 55 6,9	17,135	372
4185	Andromeda ..	9	5 20,98	3,651	50 7 33,8	17,133	140
4186	Fornax	7½	5 21,53	2,687	118 50 39,7	17,133	561
4187*	Cassiopea	8	5 21,66	4,280	29 53 4,9	17,133	372
4188	Cassiopea	9	5 22,64	4,551	25 9 35,0	17,132	379
4189	Cassiopea	9	5 22,84	4,551	25 9 41,6	17,132	378
4190*	Andromeda ..	6	5 24,58	3,779	44 27 30,7	17,131	388
4191	Cetus	9	5 26,11	2,971	98 3 46,7	17,129	248
4192	Triangulum γ	4	5 27,79	3,520	57 5 8,9	17,128	128
4193	Triangulum γ	4	5 27,89	3,520	57 5 8,3	17,128	198
4194	Triangulum γ	.	5 27,96	3,520	57 5 10,3	17,128	137
4195	Triangulum γ	4½	5 28,57	3,520	57 5 8,4	17,127	133
4196	Cetus	7	5 29,24	2,909	102 59 14,0	17,127	463
4197	Cassiopea	7½	5 29,60	4,433	27 3 29,4	17,127	377
4198	Cetus	8	5 29,64	2,909	102 59 17,7	17,127	245
4199	Andromeda ..	8½	5 31,27	3,749	45 43 27,5	17,125	120
4200	Andromeda ..	7½	2 5 33,22	+3,696	48 2 4,7	-17,124	4

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4201	Andromeda ..	8	2	5	35.58	+3,646	50	23	0.0	-17,122	140
4202	Cetus	6		5	39.06	2,942	100	24	8.8	17,120	246
4203	Aries	8½		5	39.56	3,211	78	32	36.4	17,119	39
4204	Triangulum ..	9		5	39.78	3,566	54	32	9.7	17,119	129
4205	Triangulum ..	9		5	39.87	3,520	57	9	47.5	17,119	198
4206	Triangulum ..	9		5	40.57	3,520	57	9	49.5	17,118	133
4207	Triangulum ..	8		5	50.13	3,438	62	11	15.5	17,111	574
4208	Triangulum ..	8		5	51.14	3,438	62	11	3.5	17,110	574
4209	Fornax	7		5	51.34	2,752	114	28	38.6	17,110	558
4210	Aries	7		5	54.35	3,364	67	9	52.9	17,108	35
4211	Aries	8		5	58.38	3,365	67	3	42.7	17,105	35
4212	Cetus	9½	6		1.78	3,115	86	18	32.1	17,102	45
4213	Fornax	8	6		4.29	2,755	114	13	15.9	17,100	558
4214	Aries	9	6		6.06	3,275	73	37	7.2	17,099	192
4215	Cetus	8	6		9.18	3,086	88	41	47.2	17,097	47
4216	Cetus	9	6		11.19	3,083	88	53	17.9	17,095	47
4217	Cetus	8½	6		11.70	3,083	88	53	23.3	17,095	48
4218	Perseus	7½	6		13.83	3,954	38	22	14.3	17,093	390
4219	Cetus	8½	6		17.29	2,826	109	9	54.2	17,090	463
4220	Andromeda ..	9½	6		19.54	3,644	50	39	12.4	17,089	140
4221	Andromeda ..	8	6		20.24	3,644	50	39	12.4	17,088	140
4222	Cassiopea	8	6		22.82	4,790	22	9	49.5	17,086	375
4223	Triangulum ..	7	6		23.24	3,443	61	55	23.1	17,086	574
4224	Cetus	6½	6		23.85	2,937	100	45	12.4	17,085	246
4225	Andromeda ..	7	6		24.24	3,842	42	3	50.0	17,085	380
4226	Fornax	8	6		25.04	2,753	114	18	18.9	17,084	558
4227	Aries	9½	6		26.40	3,238	76	27	56.3	17,083	38
4228	Andromeda... c	4½	6		26.65	3,807	43	33	8.0	17,083	388
4229	Cetus	9½	6		27.28	3,116	86	15	13.1	17,083	45
4230	Cetus	8½	6		28.62	2,783	112	15	13.2	17,082	391
4231	Triangulum ..	7½	6		29.57	3,457	61	5	2.3	17,081	574
4232	Triangulum ..	7	6		29.75	3,457	61	4	55.0	17,081	25
4233	Triangulum ..	8	6		30.24	3,457	61	5	1.5	17,080	124
4234	Triangulum ..	8	6		32.22	3,582	53	51	59.2	17,079	128
4235	Triangulum ..	8	6		32.99	3,582	53	51	55.2	17,078	129
4236	Fornax	7½	6		37.78	2,705	117	27	25.1	17,075	560
4237	Fornax	8	6		37.87	2,705	117	27	38.4	17,075	561
4238	Aries .....	.	6		42.51	3,291	72	28	43.8	17,071	34
4239	Triangulum ..	8	6		44.61	3,536	56	26	20.8	17,069	133
4240	Cetus	9½	2	6	48.21	+3,114	86	25	45.4	-17,067	45

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4241	Aries	9	2	6	48.48	+3,308	71	15	4.1	-17,066	194
4242	Cetus	8½		6	50.91	2,825	109	10	3.8	17,065	464
4243	Aries	5½		6	51.49	3,311	71	1	51.9	17,064	34
4244	Triangulum ..	9		6	52.81	3,520	57	21	16.8	17,063	198
4245	Cetus	8		6	56.01	3,081	89	4	22.8	17,061	48
4246	Cassiopea	9		6	56.65	4,532	25	41	0.5	17,060	378
4247	Perseus	9		7	0.15	4,122	33	46	23.3	17,058	371
4248	Cetus	6		7	0.79	2,979	97	20	58.2	17,057	310
4249	Cetus	8		7	0.82	2,977	97	30	46.6	17,057	464
4250	Cetus	5		7	1.04	2,979	97	21	0.8	17,057	248
4251	Cetus	7		7	1.06	2,977	97	30	41.3	17,057	248
4252	Cetus	6		7	1.30	2,979	97	20	58.1	17,057	464
4253	Fornax	8½		7	1.56	2,757	113	58	39.7	17,056	558
4254	Aries	6		7	1.80	3,312	71	1	51.7	17,056	194
4255	Cetus	7		7	7.60	2,902	103	22	29.2	17,052	478
4256	Cetus	8		7	7.69	2,902	103	22	30.5	17,052	463
4257	Aries	8		7	13.40	3,239	76	27	46.4	17,047	38
4258	Perseus	8		7	14.73	4,057	35	31	16.3	17,046	373
4259	Cetus	8½		7	16.81	2,774	112	3	12.5	17,045	391
4260	Aries	8½		7	18.19	3,226	77	30	3.3	17,044	39
4261	Andromeda ..	7		7	22.12	3,639	51	5	38.1	17,041	131
4262	Triangulum ..	6		7	23.78	3,440	62	17	15.5	17,039	574
4263	Triangulum ..	8		7	25.08	3,530	56	53	57.3	17,038	133
4264	Aries	9		7	26.04	3,421	63	31	55.0	17,038	199
4265	Triangulum ..	8½		7	29.33	3,523	57	19	31.9	17,035	198
4266	Triangulum ..	9		7	33.25	3,463	60	52	56.5	17,032	124
4267	Perseus	9		7	33.67	4,027	36	25	4.2	17,032	373
4268	Cetus	7		7	38.65	3,081	89	4	22.3	17,028	47
4269	Cetus	7		7	39.19	3,080	89	11	40.2	17,028	48
4270	Cetus	8		7	39.36	3,039	92	58	17.6	17,028	391
4271	Aries	7		7	42.38	3,359	67	45	47.1	17,025	35
4272	Fornax	8½		7	46.17	2,731	115	33	57.6	17,022	560
4273	Cassiopea	7		7	47.20	4,453	27	5	17.2	17,021	377
4274	Andromeda ..	5½		7	48.27	3,890	40	46	28.5	17,020	380
4275	Andromeda ..	7½		7	48.35	3,890	40	46	30.6	17,020	369
4276	Andromeda ..	6		7	48.42	3,812	43	37	1.5	17,020	388
4277	Cetus	8		7	51.03	2,799	110	55	44.8	17,019	464
4278	Aries	9½		7	51.33	3,171	81	4	57.5	17,018	41
4279	Cetus	9		7	52.38	2,898	103	37	9.5	17,017	478
4280	Perseus	7	2	7	54.20	+4,132	33	41	2.5	-17,016	371

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4281	Perseus	9	2	8	0,20	+4,129	33 46 57,6	-17,011	371
4282	Aries	7½		8	2,53	3,221	77 56 21,1	17,009	39
4283	Cassiopea	7		8	2,92	4,442	27 19 20,6	17,009	377
4284	Aries	7		8	2,98	3,310	71 14 4,3	17,009	34
4285	Aries	7½		8	2,99	3,310	71 14 5,2	17,009	194
4286	Cetus	7½		8	7,10	3,160	82 44 59,1	17,006	42
4287	Triangulum ..	7½		8	8,16	3,486	59 35 10,4	17,005	124
4288	Aries	8½		8	11,20	3,394	65 24 53,6	17,003	30
4289	Cetus	9		8	12,18	3,154	83 13 18,0	17,002	43
4290	Cetus	8½		8	12,49	3,007	95 1 55,1	17,002	391
4291	Cetus	8½		8	16,69	3,110	86 43 52,4	16,999	45
4292	Triangulum ..	8		8	16,74	3,503	58 36 28,4	16,998	198
4293	Andromeda ..	9		8	21,17	3,656	50 27 34,6	16,995	140
4294	Cassiopea	9		8	23,48	4,453	27 11 36,5	16,993	377
4295	Triangulum ..	7		8	24,84	3,468	60 44 9,6	16,992	124
4296	Triangulum ..	6½		8	25,32	3,468	60 44 10,0	16,992	25
4297	Cetus	8½		8	25,81	2,976	97 32 0,6	16,991	248
4298	Cetus	8		8	29,03	2,997	95 47 55,2	16,989	310
4299	Andromeda ..	8½		8	29,70	3,616	52 28 23,4	16,988	131
4300	Cetus	9		8	29,82	2,997	95 47 54,9	16,988	464
4301	Perseus i	7		8	30,95	4,082	35 4 47,2	16,987	373
4302	Cetus	9		8	31,18	2,898	103 33 57,2	16,987	478
4303	Cetus	7½		8	32,11	2,878	105 3 48,3	16,986	463
4304	Andromeda ..	8		8	32,64	3,711	47 58 55,1	16,986	4
4305	Cetus	8		8	36,47	2,953	99 17 23,0	16,983	246
4306	Triangulum ..	8½		8	42,65	3,525	57 24 18,2	16,978	198
4307	Cetus	8		8	47,75	3,102	87 22 57,5	16,974	45
4308	Cetus	8½		8	47,77	3,102	87 23 28,5	16,974	47
4309	Perseus	8		8	50,93	4,139	33 40 46,8	16,972	371
4310	Fornax	7		8	55,03	2,744	114 33 26,5	16,969	558
4311	Perseus	8		8	55,67	4,146	33 32 12,7	16,968	371
4312	Triangulum ..	8		8	55,78	3,591	53 51 9,7	16,968	129
4313	Andromeda ..	7½		8	57,12	3,751	46 19 29,6	16,967	120
4314	Cetus	8		8	58,62	2,964	98 23 7,3	16,966	248
4315	Fornax	8½		9	0,81	2,759	113 30 54,7	16,964	391
4316	Cetus	8½		9	3,76	3,048	91 42 23,6	16,962	202
4317	Perseus	8½		9	4,50	4,176	32 50 0,4	16,961	368
4318	Cetus	8½		9	8,18	3,093	88 6 23,8	16,959	47
4319	Cassiopea	7½		9	9,02	4,449	27 23 8,9	16,958	377
4320	Triangulum ..	7½	2	9	13,28	+3,443	62 24 3,5	-16,955	574

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4321	Cetus	9½	2 9 13,83	+3,021	93 53 32,2	-16,954	246
4322	Triangulum ..	7	9 15,28	3,447	62 11 23,3	16,953	574
4323	Cetus	6	9 15,38	3,021	93 53 22,2	16,953	391
4324	Triangulum ..	8½	9 23,58	3,479	60 14 54,2	16,946	124
4325	Andromeda ..	8	9 25,95	3,745	46 38 49,0	16,945	120
4326	Aries	9	9 26,05	3,425	63 33 50,3	16,945	199
4327	Andromeda ..	9	9 32,48	3,730	47 20 41,0	16,940	4
4328*	Cetus	7	9 34,46	2,802	110 27 38,5	16,938	464
4329	Andromeda ..	8½	9 34,58	3,621	52 24 22,6	16,938	131
4330	Cetus	7	9 37,84	3,004	95 16 19,6	16,935	464
4331	Cetus	7	9 38,35	3,003	95 16 20,9	16,935	310
4332	Cetus	6	9 38,38	3,003	95 16 18,8	16,935	391
4333	Aries	9	9 40,82	3,427	63 31 20,3	16,933	199
4334	Triangulum ..	8½	9 41,52	3,482	60 6 9,2	16,932	124
4335	Cetus	8	9 52,25	3,052	91 23 22,0	16,924	202
4336	Perseus	7	9 54,94	3,962	38 50 20,8	16,922	390
4337	Cetus	9	9 58,86	3,152	83 27 20,8	16,919	43
4338	Fornax	6	10 0,50	2,705	116 53 52,3	16,918	560
4339	Perseus	8	10 3,27	4,075	35 33 20,1	16,915	373
4340	Perseus	8	10 10,32	3,983	38 14 10,2	16,910	390
4341	Aries	9	10 12,10	3,192	80 18 32,9	16,909	41
4342	Triangulum ..	8	10 15,16	3,608	53 13 17,4	16,906	129
4343	Andromeda ..	8½	10 16,01	3,731	47 24 17,2	16,906	4
4344	Perseus	8½	10 18,75	3,973	38 32 43,6	16,903	390
4345	Andromeda ..	9	10 22,49	3,730	47 29 31,3	16,901	4
4346	Andromeda ..	6½	10 26,74	3,687	49 26 10,2	16,897	140
4347	Andromeda ..	8	10 27,77	3,796	44 46 54,8	16,896	388
4348	Andromeda ..	8	10 28,87	3,687	49 26 26,1	16,896	140
4349	Triangulum ..	8	10 32,80	3,476	60 35 24,8	16,892	124
4350	Cetus	7	10 33,52	2,872	105 20 22,3	16,892	478
4351	Cetus	10	10 36,39	3,154	83 17 43,6	16,889	43
4352	Aries	8	10 36,63	3,432	63 19 5,2	16,889	199
4353	Aries	7½	10 36,67	3,432	63 18 54,4	16,889	574
4354	Aries	9	10 37,42	3,432	63 18 52,4	16,889	25
4355	Cetus	7½	10 43,29	2,869	105 32 49,4	16,884	478
4356	Andromeda ..	8	10 43,36	3,754	46 32 22,1	16,884	120
4357	Triangulum ..	7½	10 43,38	3,477	60 35 46,8	16,884	124
4358	Aries	7	10 50,64	3,361	68 2 50,3	16,878	35
4359	Cetus	8½	10 51,67	2,781	111 45 0,1	16,878	391
4360	Aries	8	2 10 52,40	+3,258	75 24 6,8	-16,877	38

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4361	Aries	8½	2 10 52.69	+3,266	74 45 30.9	-16,877	192
4362	Cassiopea	9	10 53.47	4,277	30 54 39.7	16,876	372
4363	Cetus	7½	10 57.91	3,156	83 10 13.6	16,873	43
4364	Cetus	8	10 58.12	3,156	83 10 15.4	16,872	42
4365	Cetus	8	11 1.19	2,909	102 31 52.7	16,870	245
4366	Aries	8½	11 3.32	3,265	74 55 30.2	16,868	192
4367	Andromeda ..	7½	11 6.08	3,622	52 39 56.0	16,866	131
4368	Aries	9	11 6.96	3,434	63 16 49.3	16,866	199
4369	Aries	8½	11 7.37	3,434	63 16 41.4	16,865	574
4370	Perseus	8½	11 9.23	4,197	32 42 48.9	16,864	368
4371	Triangulum ..	8½	11 10.47	3,608	53 21 23.7	16,862	129
4372	Andromeda ..	6	11 12.27	3,906	40 53 36.8	16,861	380
4373	Andromeda ..	7	11 12.29	3,906	40 54 32.0	16,861	369
4374	Perseus	7	11 14.81	4,132	34 18 30.1	16,859	371
4375	Perseus	9	11 23.39	4,081	35 39 40.7	16,852	373
4376	Fornax	8	11 26.11	2,681	118 11 53.4	16,850	561
4377	Triangulum ..	7	11 28.00	3,569	55 28 41.6	16,849	129
4378	Triangulum ..	7	11 28.14	3,569	55 28 42.9	16,849	133
4379	Andromeda ..	8	11 32.90	3,834	43 32 46.6	16,845	388
4380	Aries	7	11 33.52	3,277	74 2 55.9	16,844	192
4381	Andromeda ..	7½	11 34.85	3,705	48 49 1.3	16,843	4
4382	Cetus	9½	11 35.22	3,118	86 10 43.2	16,843	45
4383	Cetus	9	11 36.83	2,912	102 16 53.8	16,842	245
4384	Triangulum ..	9	11 43.34	3,477	60 45 0.2	16,836	124
4385*	Aries	8½	11 43.57	3,421	64 14 6.5	16,836	199
4386	Cetus	7½	11 47.52	2,961	98 27 49.0	16,833	248
4387	Andromeda ..	8	11 54.47	3,647	51 34 14.3	16,828	131
4388	Aries	8	11 58.01	3,288	73 19 15.2	16,825	34
4389	Andromeda ..	7½	11 58.13	3,658	51 5 14.8	16,825	140
4390	Aries	8	11 58.29	3,288	73 19 13.2	16,825	194
4391	Triangulum ..	.	11 58.63	3,542	57 3 34.4	16,824	133
4392	Cassiopea	8	11 59.46	6,757	11 10 17.6	16,824	351
4393	Cetus	9	12 1.03	2,937	100 18 13.6	16,823	246
4394	Cetus	6	12 1.72	3,047	91 48 6.3	16,822	202
4395	Perseus	8½	12 10.90	4,164	33 41 9.9	16,815	371
4396	Cetus	6	12 14.44	2,919	101 41 36.2	16,812	245
4397	Cetus	8	12 14.83	2,871	105 12 6.8	16,812	250
4398	Cetus	7	12 14.97	2,871	105 12 12.4	16,811	463
4399	Cetus	6½	12 15.27	2,871	105 12 5.7	16,811	478
4400	Andromeda ..	8	2 12 16.28	+3,793	45 15 55.9	-16,810	388

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4401	Andromeda ..	8	2 12 16,63	+3,793	45 15 49,2	-16,810	120
4402	Cetus	8½	12 20,31	3,167	82 22 21,5	16,807	42
4403	Andromeda ..	5	12 21,55	3,920	40 38 8,0	16,806	380
4404	Andromeda ..	5	12 22,02	3,920	40 38 8,1	16,806	369
4405	Perseus	9	12 23,51	4,237	32 2 18,6	16,805	368
4406	Aries	9	12 30,60	3,277	74 11 9,3	16,799	192
4407	Aries	7½	12 32,07	3,197	80 4 53,1	16,798	41
4408	Perseus	8½	12 33,48	4,185	33 14 8,6	16,797	371
4409	Andromeda ..	8½	12 35,34	3,801	44 59 10,6	16,795	388
4410	Cetus	5½	12 39,54	2,824	108 34 38,1	16,792	463
4411	Cassiopea	8	12 40,90	4,445	28 1 11,7	16,791	377
4412	Cassiopea	5½	12 47,76	4,753	23 30 29,0	16,785	379
4413	Cetus	8½	12 52,49	2,882	104 20 9,4	16,781	478
4414	Cassiopea	9	13 0,64	4,246	31 56 17,7	16,775	368
4415	Triangulum ..	7	13 2,53	3,465	61 40 17,7	16,773	574
4416	Cassiopea	8½	13 4,73	4,253	31 48 5,6	16,772	368
4417	Aries .....	.	13 6,49	3,439	63 15 13,0	16,770	25
4418	Triangulum ..	7½	13 6,88	3,607	53 47 38,5	16,770	129
4419	Aries	8	13 7,29	3,439	63 15 18,6	16,769	199
4420	Fornax	8½	13 9,50	2,710	116 6 54,5	16,768	560
4421	Fornax	7	13 9,85	2,666	118 46 56,2	16,768	561
4422	Cetus	9	13 11,90	2,866	105 49 7,2	16,766	250
4423	Triangulum ..	7½	13 15,30	3,546	57 2 49,7	16,763	133
4424	Cassiopea	8	13 16,19	4,412	28 41 39,6	16,763	377
4425	Triangulum ..	8½	13 20,79	3,601	54 7 53,8	16,759	129
4426	Fornax	5	13 22,10	2,738	114 16 45,1	16,758	391
4427	Fornax	5½	13 23,56	2,731	114 43 51,6	16,757	558
4428	Cassiopea	7½	13 23,79	4,469	27 43 15,7	16,756	377
4429	Cassiopea	7	13 25,35	5,980	14 10 49,5	16,755	351
4430	Cetus	7	13 25,59	2,978	97 6 25,1	16,755	310
4431	Cetus	6½	13 25,74	2,978	97 6 25,1	16,755	248
4432	Cetus	7½	13 25,82	2,978	97 6 26,8	16,755	464
4433	Triangulum ..	7½	13 26,69	3,568	55 52 18,7	16,754	133
4434	Aries	8	13 28,99	3,191	80 38 28,2	16,752	41
4435	Aries	8½	13 32,29	3,262	75 22 48,5	16,750	38
4436	Cetus	6½	13 32,80	2,812	109 15 53,2	16,749	464
4437	Aries	8	13 36,21	3,406	65 25 36,9	16,746	30
4438	Andromeda ..	9	13 36,34	3,785	45 48 49,0	16,746	120
4439	Triangulum ..	8	13 41,37	3,607	53 54 3,7	16,742	129
4440	Aries	8	2 13 45,35	+3,441	63 13 42,7	-16,739	199

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4441	Aries	2 13 45.52	+3.441	63 13 36.0	-16.739	25
4442	Andromeda ..	9	13 46.32	3.680	50 1 27.4	16.738	140
4443	Triangulum ..	9	13 47.42	3.611	53 41 48.5	16.738	129
4444	Aries	9	13 49.62	3.442	63 10 35.7	16.736	199
4445	Aries	8	13 50.44	3.184	81 11 53.1	16.735	42
4446	Triangulum ..	7½	13 50.80	3.478	61 1 40.8	16.735	124
4447	Perseus	9	14 0.16	4.179	33 38 5.5	16.727	371
4448	Andromeda ..	9	14 1.11	3.784	45 56 48.1	16.726	120
4449	Aries ξ	7½	14 6.77	3.196	80 18 3.9	16.722	41
4450	Cetus	9	14 8.33	3.033	92 49 31.1	16.720	202
4451	Cetus	8½	14 16.19	2.962	98 19 2.0	16.714	248
4452*	Cetus	8	14 19.14	3.018	94 0 47.0	16.712	391
4453	Cetus	9	14 20.32	3.035	92 39 59.8	16.711	202
4454	Perseus	8	14 25.91	4.005	38 21 32.5	16.706	390
4455	Cassiopea	9½	14 26.41	4.972	21 15 51.1	16.706	375
4456	Aries	7	14 26.42	3.406	65 35 7.7	16.706	30
4457	Cetus	8½	14 28.34	3.032	92 55 11.4	16.704	202
4458	Fornax	6½	14 28.40	2.677	117 55 38.1	16.704	561
4459	Andromeda ..	9	14 29.42	3.873	42 40 32.5	16.704	380
4460	Aries	8½	14 31.04	3.320	71 21 23.6	16.702	194
4461	Aries .....	.	14 31.16	3.320	71 21 17.1	16.702	34
4462	Triangulum ..	8½	14 31.29	3.481	60 58 49.9	16.702	124
4463	Andromeda ..	8	14 31.56	3.942	40 19 58.6	16.702	370
4464	Andromeda ..	9½	14 34.27	3.872	42 42 36.5	16.700	380
4465	Aries .....	.	14 35.39	3.330	70 37 38.8	16.699	33
4466	Cetus	6½	14 40.82	2.841	107 10 1.5	16.694	463
4467	Cetus	7	14 40.91	2.841	107 9 55.6	16.694	250
4468	Triangulum ..	8	14 41.87	3.610	53 56 27.9	16.694	129
4469	Cetus	9	14 44.84	3.030	93 1 23.8	16.691	202
4470	Triangulum ..	7½	14 44.96	3.583	55 17 45.5	16.691	133
4471	Aries	8	14 49.62	3.215	78 55 23.1	16.687	39
4472	Perseus	7½	14 49.80	4.025	37 50 24.0	16.687	390
4473	Cetus	7½	14 51.72	2.882	104 12 15.0	16.686	463
4474	Cetus	6½	14 51.89	2.882	104 12 17.9	16.685	478
4475	Cetus	6	14 52.89	3.022	93 41 32.2	16.685	391
4476	Cetus	7½	14 53.79	3.007	94 48 13.2	16.684	391
4477	Aries	9	14 56.65	3.311	72 0 12.7	16.682	194
4478	Andromeda ..	.	14 59.26	3.694	49 58 5.7	16.679	140
4479	Aries	6	14 59.39	3.195	80 24 15.3	16.679	41
4480	Andromeda ..	8½	2 15 1.01	+3.696	49 51 28.6	-16.678	140

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4481	Andromeda ..	9	2 15 4.96	+3.783	46 9 53.5	-16.675	120
4482	Cetus	9	15 5.28	3.007	94 47 21.1	16.675	391
4483	Triangulum ..	8	15 5.87	3.611	53 56 28.0	16.674	129
4484	Triangulum ..	9	15 10.42	3.637	52 40 37.9	16.671	131
4485	Cetus	8	15 14.98	2.924	101 6 34.2	16.667	245
4486	Cetus	8	15 15.21	2.924	101 6 31.3	16.667	246
4487	Fornax	6	15 21.03	2.694	116 45 38.9	16.662	560
4488	Cetus	8½	15 25.60	2.931	100 30 43.9	16.658	246
4489	Andromeda ..	9	15 26.83	3.880	42 36 42.8	16.657	380
4490	Perseus	7	15 27.04	4.119	35 22 8.8	16.657	373
4491	Aries	7½	15 27.90	3.198	80 15 22.2	16.656	41
4492	Cetus	8½	15 28.06	3.133	85 8 11.9	16.656	43
4493	Aries	7	15 29.43	3.419	64 51 58.5	16.655	30
4494	Aries	8	15 29.61	3.419	64 51 55.7	16.655	199
4495	Andromeda ..	9	15 33.10	3.703	49 39 20.5	16.652	140
4496	Aries	7	15 35.85	3.435	63 53 31.6	16.650	199
4497	Aries	9	15 38.07	3.215	79 0 36.5	16.648	39
4498	Triangulum ..	6½	15 39.35	3.516	59 6 18.4	16.647	124
4499	Triangulum ..	6	15 39.36	3.516	59 6 18.0	16.647	198
4500	Perseus	8½	15 39.63	4.215	33 4 59.0	16.647	368
4501	Perseus	8	15 40.18	4.215	33 5 4.6	16.646	371
4502	Aries	9	15 40.95	3.293	73 18 27.5	16.646	192
4503	Triangulum ..	9	15 43.58	3.583	55 29 37.7	16.643	133
4504	Cetus	7½	15 44.44	3.140	84 36 46.9	16.642	45
4505	Cassiopea	9	15 45.49	4.576	26 22 16.3	16.642	378
4506	Cetus	8	15 47.15	3.140	84 36 49.1	16.641	43
4507	Cetus	9	15 49.01	3.055	91 5 16.0	16.639	48
4508	Triangulum ..	.	15 51.72	3.652	52 3 49.5	16.637	131
4509	Andromeda ..	9	15 57.10	3.792	45 58 33.5	16.633	120
4510	Aries	7½	16 2.90	3.197	80 20 30.5	16.628	41
4511	Perseus	8½	16 4.25	4.033	37 50 41.0	16.626	390
4512	Cetus	8½	16 7.65	2.927	100 48 36.2	16.624	246
4513	Triangulum ..	8	16 12.75	3.509	59 37 10.0	16.620	124
4514	Cetus	8	16 12.91	2.771	111 42 43.3	16.620	392
4515	Cetus	♀ 4	16 17.31	2.894	103 11 54.9	16.616	250
4516	Cetus	♀ 4	16 17.33	2.894	103 11 55.9	16.616	478
4517	Cetus	♀ 4	16 17.60	2.894	103 11 54.7	16.616	247
4518	Cetus	♀ 4	16 17.65	2.894	103 11 53.6	16.616	463
4519	Cetus	♀ 4	16 17.78	2.894	103 11 52.6	16.615	245
4520	Triangulum ..	8½	2 16 17.88	+3.615	53 56 54.2	-16.615	129

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4521	Triangulum ..	9	2 16 21.61	+3,586	55 24 57.9	-16,612	133
4522	Cassiopea	8½	16 25.28	4,511	27 29 7.4	16,609	377
4523	Triangulum ..	8½	16 27.04	3,583	55 36 25.0	16,608	133
4524	Triangulum ..	6	16 28.27	3,481	61 13 54.0	16,607	574
4525	Triangulum ..	6	16 28.34	3,481	61 13 56.5	16,607	124
4526	Triangulum ..	4	16 28.99	3,482	61 13 48.8	16,607	25
4527	Triangulum ..	7	16 29.08	3,485	61 1 57.8	16,606	574
4528	Aries	8	16 32.16	3,281	74 15 37.1	16,604	192
4529	Cetus	9	16 32.84	3,140	84 40 38.5	16,603	43
4530	Cetus	8½	16 33.46	3,140	84 40 38.2	16,603	45
4531	Triangulum ..	8½	16 36.21	3,618	53 52 30.2	16,600	129
4532	Aries	7½	16 45.99	3,193	80 41 41.2	16,592	41
4533	Fornax	8½	16 46.96	2,723	114 45 1.0	16,592	558
4534	Perseus	8	16 48.10	4,129	35 20 51.2	16,591	373
4535*	Andromeda ..	6½	16 52.45	3,823	44 57 3.1	16,587	388
4536	Aries	9	16 53.30	3,400	66 16 21.1	16,586	30
4537	Triangulum ..	8	16 54.03	3,486	61 2 1.8	16,586	574
4538	Andromeda ..	9	16 54.88	3,789	46 16 50.0	16,585	121
4539	Triangulum ..	7	16 55.40	3,625	53 34 24.0	16,585	129
4540	Triangulum ..	7½	17 1.06	3,483	61 12 58.0	16,580	574
4541	Triangulum ..	.	17 1.94	3,644	52 40 38.3	16,580	131
4542	Triangulum ..	8½	17 2.84	3,483	61 13 0.7	16,579	124
4543	Perseus	8	17 3.77	4,235	32 52 28.4	16,578	368
4544	Andromeda ..	9	17 4.42	3,894	42 23 59.0	16,577	380
4545	Perseus	7½	17 5.59	4,235	32 52 36.8	16,576	371
4546	Triangulum ..	7	17 6.05	3,488	60 58 31.8	16,576	574
4547	Triangulum ..	7	17 6.34	3,488	60 58 33.5	16,576	124
4548	Triangulum ..	6	17 6.48	3,488	60 58 29.5	16,576	25
4549	Cetus	9	17 8.59	2,977	97 0 15.9	16,574	464
4550	Cetus	8½	17 8.67	2,977	97 0 10.4	16,574	248
4551	Perseus	8	17 10.32	4,043	37 44 25.9	16,573	390
4552	Cetus	6	17 17.81	2,781	110 57 13.1	16,566	464
4553	Cetus	7½	17 18.04	3,048	91 39 26.1	16,566	202
4554	Cetus	8	17 18.75	3,048	91 39 31.0	16,566	206
4555	Aries	9	17 18.82	3,443	63 38 36.8	16,566	199
4556	Perseus	8½	17 31.76	4,216	33 22 2.1	16,555	368
4557	Cetus E	5½	17 32.58	3,170	82 26 39.0	16,554	42
4558	Perseus	8	17 33.16	4,224	33 12 5.9	16,554	368
4559	Triangulum ..	9	17 34.92	3,552	57 24 39.6	16,552	198
4560	Andromeda ..	7	2 17 36.15	+3,665	51 45 46.6	-16,551	131

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4561	Perseus	9	2 17 36,46	+4,125	35 36 44,8	-16,551	373
4562	Cassiopea	8½	17 37,34	4,424	29 9 49,1	16,550	372
4563	Cassiopea	8	17 37,83	4,424	29 9 45,6	16,550	377
4564	Cetus	9	17 39,27	3,047	91 41 46,3	16,548	202
4565	Cetus	7	17 41,20	3,084	88 56 27,7	16,547	47
4566	Cassiopea	9	17 41,66	4,409	29 26 32,5	16,547	372
4567	Cetus	7½	17 42,08	3,084	88 56 36,4	16,546	48
4568	Aries	9½	17 44,19	3,228	78 8 53,8	16,545	39
4569	Cetus	7	17 44,30	2,966	97 49 48,1	16,544	248
4570	Aries	9	17 46,64	3,439	63 57 33,2	16,542	199
4571	Cassiopea	9	17 48,02	4,811	23 28 42,8	16,541	379
4572	Aries	6½	17 51,06	3,384	67 25 55,2	16,539	35
4573	Perseus	8½	17 51,25	3,804	45 50 38,8	16,539	121
4574	Aries	6½	17 51,73	3,384	67 25 54,8	16,538	30
4575	Perseus	8	17 53,24	3,662	51 56 39,8	16,537	131
4576	Cassiopea	8	18 0,13	4,841	23 8 52,3	16,531	375
4577	Cassiopea	8½	18 0,58	4,841	23 8 58,6	16,531	379
4578	Cassiopea	9	18 1,50	4,952	21 55 20,9	16,530	375
4579	Perseus	9	18 1,93	3,645	52 45 40,6	16,530	131
4580	Perseus	8	18 8,30	4,135	35 26 17,8	16,525	373
4581	Aries	9	18 8,86	3,345	70 3 20,9	16,524	33
4582	Aries	8½	18 9,63	3,218	78 53 51,1	16,524	39
4583	Triangulum ..	8	18 9,89	3,553	57 29 32,8	16,524	198
4584	Cetus	9½	18 12,46	3,055	91 8 11,8	16,521	48
4585	Cetus	9	18 12,66	3,055	91 8 18,0	16,521	206
4586	Perseus	7½	18 14,24	3,690	50 43 44,8	16,520	140
4587	Triangulum ..	8	18 16,93	3,555	57 24 3,7	16,518	198
4588	Triangulum ..	7	18 17,52	3,561	57 3 45,6	16,517	133
4589	Perseus .....	.	18 17,66	3,842	44 30 12,1	16,517	388
4590	Cetus	9	18 19,69	3,105	87 19 43,0	16,516	47
4591	Perseus	8	18 32,13	4,224	33 22 9,9	16,505	371
4592	Triangulum ..	9	18 32,35	3,552	57 35 25,0	16,505	198
4593	Perseus	8	18 33,41	4,231	33 12 12,7	16,504	371
4594	Triangulum ..	8	18 39,18	3,607	54 46 45,5	16,499	129
4595	Perseus	8½	18 48,71	3,747	48 20 0,0	16,491	4
4596	Cetus	8½	18 49,15	2,927	100 37 38,7	16,491	246
4597	Cassiopea	9½	18 49,76	4,624	26 6 17,0	16,490	378
4598	Perseus	8½	18 51,83	3,795	46 24 30,6	16,489	121
4599	Cetus	9	18 52,10	2,928	100 30 14,6	16,488	246
4600	Cassiopea	7½	2 18 52,51	+4,906	22 31 21,9	-16,488	375

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4601	Perseus	7	2 18 53.20	+3,850	44 18 40.0	-16,487	388
4602	Aries	7	18 55.64	3,186	81 19 59.7	16,486	41
4603	Perseus	9	18 56.06	4,135	35 34 4.2	16,485	373
4604	Cetus	8	18 57.42	3,178	81 53 42.5	16,484	42
4605	Cassiopea	7½	18 59.16	4,716	24 50 33.9	16,482	378
4606	Triangulum ..	•	19 2.94	3,585	55 57 51.8	16,480	133
4607	Cetus	7½	19 3.58	2,904	102 14 39.9	16,479	245
4608	Aries	5	19 3.94	3,415	65 39 34.7	16,479	30
4609	Cetus	8	19 4.61	2,985	96 20 49.0	16,478	310
4610	Cetus	9	19 4.72	2,985	96 20 44.2	16,478	464
4611	Cetus	9	19 7.38	3,171	82 24 6.4	16,476	42
4612	Perseus	8½	19 12.05	3,803	46 9 36.3	16,472	121
4613	Perseus	8	19 13.56	3,636	53 26 26.4	16,471	129
4614	Cassiopea	8½	19 20.13	4,307	31 40 47.8	16,465	368
4615	Perseus	8	19 20.14	3,690	50 55 49.4	16,465	140
4616	Fornax	7½	19 20.75	2,675	117 19 57.3	16,465	560
4617	Fornax	7½	19 21.14	2,675	117 20 12.9	16,464	561
4618	Perseus	9	19 21.70	3,745	48 30 19.4	16,464	4
4619	Cassiopea	10	19 22.14	4,306	31 42 39.8	16,463	368
4620	Aries	9	19 23.20	3,315	72 13 51.0	16,463	194
4621	Aries	9	19 23.59	3,348	70 0 54.1	16,462	33
4622	Cetus	8½	19 25.57	2,781	110 41 54.3	16,461	464
4623	Aries	5½	19 26.50	3,332	71 2 25.0	16,460	34
4624	Aries	7	19 27.08	3,332	71 2 24.1	16,459	194
4625	Aries	8	19 27.65	3,350	69 51 34.9	16,459	33
4626	Triangulum ..	8½	19 30.91	3,557	57 28 5.9	16,456	198
4627	Perseus	7½	19 32.52	3,651	52 46 18.9	16,455	131
4628	Cetus	9½	19 35.41	3,027	93 10 0.8	16,452	206
4629	Perseus	9	19 36.97	3,802	46 15 36.5	16,451	121
4630	Cetus	9	19 39.06	2,907	101 59 58.9	16,449	245
4631	Perseus	7½	19 40.54	4,029	38 35 3.8	16,448	390
4632	Perseus	9	19 41.46	3,996	39 34 58.6	16,447	370
4633	Cassiopea	8½	19 42.35	4,841	23 22 46.4	16,446	379
4634	Perseus	9	19 42.91	3,801	46 20 16.6	16,446	121
4635	Cetus	7	19 46.56	2,881	103 48 33.7	16,443	463
4636	Aries	7	19 50.35	3,301	73 11 19.1	16,440	192
4637	Aries	6	19 50.36	3,301	73 11 13.0	16,440	34
4638	Aries	6½	19 50.42	3,301	73 11 19.6	16,440	194
4639	Triangulum ..	8½	19 52.99	3,561	57 19 57.9	16,438	198
4640	Perseus	7½	2 19 54.77	+3,699	50 37 14.3	-16,436	140

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4641	Aries	7	2 19 56,26	+3,455	63 19 34,1	-16,435	574
4642	Triangulum ..	6	19 56,41	3,612	54 44 54,6	16,435	129
4643	Aries	8	19 56,41	3,455	63 19 36,8	16,435	199
4644	Cetus	9	19 56,49	3,026	93 17 11,1	16,435	206
4645	Perseus	8½	19 56,60	3,695	50 48 33,4	16,435	140
4646	Triangulum ..	8	20 2,80	3,583	56 12 55,2	16,429	133
4647	Cetus	7	20 3,00	3,056	90 59 13,0	16,429	48
4648	Cassiopea	7	20 3,87	4,535	27 38 52,0	16,429	377
4649	Perseus	8½	20 4,47	3,888	43 9 13,1	16,428	388
4650	Cetus	8½	20 11,76	2,876	104 8 47,3	16,422	463
4651	Fornax	9	20 14,65	2,656	118 18 27,0	16,420	561
4652	Perseus	8	20 14,85	3,800	46 26 6,8	16,420	121
4653	Triangulum ..	8	20 22,64	3,535	58 47 44,5	16,413	198
4654	Fornax	8½	20 23,59	2,660	118 9 36,2	16,412	561
4655	Perseus	8½	20 25,40	3,943	41 22 49,7	16,411	380
4656	Cassiopea	8	20 26,10	4,995	21 49 42,6	16,413	375
4657	Fornax	7½	20 26,65	2,711	115 0 18,1	16,409	558
4658	Cetus	7	20 26,66	2,990	95 55 39,1	16,409	310
4659	Cetus	7½	20 26,73	2,990	95 55 35,1	16,409	464
4660	Aries	9½	20 28,97	3,300	73 20 58,5	16,407	192
4661	Cetus	8½	20 32,02	3,061	90 38 11,4	16,405	48
4662	Aries	7½	20 32,27	3,357	69 31 7,7	16,405	33
4663	Perseus	8	20 33,16	3,737	49 4 31,5	16,404	4
4664	Aries	8	20 36,23	3,473	62 19 44,3	16,401	201
4665	Aries	8	20 37,01	3,473	62 19 36,0	16,401	574
4666	Triangulum ..	9	20 39,90	3,496	61 ■ 58,2	16,398	124
4667	Perseus	8	20 40,41	3,639	53 33 19,8	16,398	129
4668	Cetus	8½	20 40,70	2,821	107 52 26,5	16,398	463
4669	Perseus	8½	20 46,41	3,805	46 21 37,9	16,393	121
4670	Fornax	6½	20 47,21	2,733	113 34 39,6	16,392	392
4671	Fornax	6½	20 47,25	2,733	113 34 49,6	16,392	558
4672	Triangulum ..	8	20 50,00	3,487	61 34 55,3	16,390	574
4673	Triangulum ..	6	20 50,72	3,583	56 20 59,6	16,389	133
4674	Cassiopea ....	.	20 52,31	4,535	27 45 40,5	16,388	377
4675	Aries	7½	20 53,50	3,368	68 53 11,8	16,387	35
4676	Aries	9	20 56,81	3,313	72 31 6,6	16,384	194
4677	Aries	7½	21 0,19	3,354	69 46 27,2	16,381	33
4678	Cassiopea ....	.	21 0,75	4,559	27 23 23,0	16,381	377
4679	Aries	8	21 3,99	3,373	68 33 34,4	16,378	35
4680	Cetus	9	2 21 5,09	+2,949	98 53 25,0	-16,377	248

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4681	Cetus	6	2 21 10,04	+3,088	88° 37' 31,0	-16,373	47
4682	Cetus	8	21 11,04	2,890	103 7 10,0	16,372	463
4683	Fornax	7	21 12,70	2,691	116 4 55,2	16,371	392
4684	Cetus	8½	21 13,59	3,072	89 48 2,0	16,370	48
4685	Fornax	6	21 14,23	2,691	116 5 1,9	16,369	560
4686	Cetus	8½	21 14,29	3,072	89 47 54,0	16,369	48
4687	Perseus	8	21 21,35	3,764	48 5 45,7	16,363	4
4688	Triangulum ..	.	21 21,59	3,500	60 55 26,6	16,363	25
4689	Aries	9½	21 22,15	3,211	78 12 17,8	16,363	39
4690	Triangulum ..	8	21 22,48	3,500	60 55 26,2	16,363	124
4691	Perseus	9	21 24,83	3,865	44 11 45,8	16,361	388
4692	Fornax	6	21 25,35	2,734	113 26 18,5	16,360	392
4693	Fornax	6	21 25,71	2,734	113 26 16,1	16,360	558
4694	Cassiopea	7	21 26,50	4,718	25 9 3,8	16,359	379
4695	Cassiopea	6	21 27,21	4,719	25 8 22,1	16,358	378
4696	Cetus	8½	21 33,95	2,847	106 1 45,5	16,353	250
4697	Cetus	6½	21 34,18	2,848	105 58 47,2	16,353	478
4698	Cassiopea	8½	21 36,49	5,028	21 34 44,8	16,351	375
4699	Cassiopea	10	21 37,79	4,691	25 32 43,6	16,350	378
4700	Triangulum ..	.	21 39,98	3,579	56 42 47,0	16,348	133
4701	Cetus	8	21 40,30	3,149	84 10 22,9	16,348	45
4702	Triangulum ..	8	21 42,93	3,527	59 28 47,0	16,345	124
4703	Perseus	7	21 46,77	3,672	52 9 9,8	16,342	131
4704	Perseus	9	21 50,30	3,707	50 35 37,7	16,339	140
4705	Cassiopea	9	21 52,36	4,692	25 33 44,6	16,337	378
4706	Cetus	9	21 57,97	3,041	92 5 9,8	16,332	206
4707	Aries	6	21 57,97	3,265	75 51 30,3	16,332	38
4708	Cetus	5½	21 58,17	3,045	91 55 30,6	16,332	202
4709	Aries	6½	21 58,28	3,265	75 51 31,7	16,332	192
4710	Cetus	8	21 59,27	3,041	92 5 10,0	16,332	202
4711	Cetus	5½	21 59,46	3,044	91 55 30,5	16,331	206
4712	Cetus	5½	22 0,06	3,042	92 0 34,5	16,331	391
4713	Triangulum ..	8½	22 3,42	3,531	59 18 22,9	16,328	124
4714	Aries	9	22 4,42	3,457	63 31 1,5	16,328	199
4715	Cassiopea	9	22 5,57	4,363	31 0 0,5	16,326	372
4716	Fornax	9	22 5,85	2,688	116 9 7,9	16,326	560
4717	Perseus	9	22 7,94	4,259	33 9 50,6	16,324	368
4718	Triangulum ..	8½	22 8,65	3,528	59 29 0,1	16,323	124
4719	Triangulum ..	8	22 10,20	3,547	58 26 8,4	16,322	198
4720	Triangulum ..	7½	2 22 13,83	+3,573	57 5 44,0	-16,319	198

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4721	Triangulum ..	7½	22 14,25	+3,573	57 5 40,5	-16,318	133
4722	Aries	8	22 15,88	3,346	70 27 1,5	16,318	33
4723	Perseus	8½	22 24,82	3,796	47 0 8,8	16,310	121
4724	Cetus	9	22 25,99	2,959	98 3 31,6	16,309	248
4725	Cetus	8	22 26,56	3,072	89 51 24,4	16,308	48
4726	Perseus	8½	22 27,00	4,195	34 41 15,6	16,308	371
4727	Aries	7½	22 27,23	3,322	72 0 32,2	16,308	34
4728	Aries	7½	22 27,30	3,322	72 0 36,2	16,308	194
4729	Cassiopea	9	22 33,84	4,377	30 47 37,4	16,302	372
4730	Aries	9½	22 34,38	3,457	63 35 51,6	16,302	199
4731	Cetus σ	4½	22 36,62	2,844	106 7 42,5	16,300	463
4732	Cetus σ	4	22 36,97	2,844	106 7 40,0	16,299	478
4733	Cetus σ	4	22 37,03	2,844	106 7 41,2	16,299	250
4734	Perseus	8	22 41,51	3,816	46 15 44,1	16,296	121
4735	Perseus	8½	22 41,68	4,185	34 58 8,0	16,295	371
4736	Perseus .....	.	22 42,75	3,718	50 17 14,6	16,295	140
4737	Fornax	7	22 43,63	2,648	118 23 58,0	16,294	561
4738	Perseus	9	22 44,72	3,710	50 36 10,9	16,293	140
4739	Cetus	6½	22 50,97	3,153	83 55 59,9	16,288	45
4740	Perseus	8½	22 51,16	3,805	46 41 39,6	16,287	121
4741	Fornax	8	22 55,79	2,722	113 58 34,8	16,283	558
4742	Perseus	8½	23 0,04	3,791	47 17 18,2	16,280	4
4743	Perseus	6½	23 1,45	3,698	51 13 10,2	16,278	131
4744	Aries	8½	23 4,92	3,420	65 52 13,2	16,276	30
4745	Aries	9	23 5,46	3,346	70 32 2,9	16,275	33
4746	Perseus	7½	23 8,22	4,038	38 55 21,2	16,273	390
4747	Perseus	10	23 8,90	4,038	38 55 19,2	16,272	370
4748	Aries .....	.	23 9,45	3,418	65 59 35,2	16,272	30
4749	Aries	9	23 13,67	3,226	78 42 14,1	16,268	39
4750	Perseus	9	23 14,99	3,722	50 11 15,6	16,267	140
4751	Triangulum ..	8½	23 17,25	3,558	58 1 16,2	16,265	198
4752	Perseus	6	23 22,36	3,648	53 34 17,3	16,261	129
4753	Perseus	8	23 23,07	3,696	51 20 8,4	16,260	131
4754	Fornax	8	23 25,10	2,641	118 40 53,4	16,259	561
4755	Triangulum ..	8½	23 27,27	3,563	57 48 56,0	16,257	198
4756	Cassiopea	7	23 32,85	4,526	28 17 17,9	16,252	377
4757	Cetus	8	23 33,92	3,181	81 53 55,8	16,251	42
4758	Cassiopea	8½	23 38,36	4,526	28 18 18,9	16,247	377
4759	Aries	8	23 38,57	3,218	79 16 45,0	16,247	39
4760	Triangulum ..	8	2 23 39,67	+3,583	56 48 14,5	-16,246	133

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4761	Perseus	8	2 23 39,68	+3,643	53 49 28,6	-16,246	129
4762	Triangulum ..	6½	23 41,50	3,595	56 11 36,0	16,244	133
4763	Triangulum ..	7½	23 44,80	3,596	56 9 31,0	16,242	134
4764	Perseus	8	23 48,80	3,713	50 40 38,2	16,238	140
4765	Perseus	7	23 54,89	3,765	48 28 51,9	16,233	4
4766	Cetus	8½	23 56,27	2,975	96 53 28,2	16,232	464
4767	Triangulum ..	9	23 58,08	3,493	61 39 39,2	16,230	201
4768	Aries	9	23 58,75	3,313	72 49 23,8	16,230	34
4769	Aries	8½	23 58,89	3,313	72 49 24,7	16,229	194
4770	Triangulum ..	8½	23 59,70	3,585	56 43 25,6	16,229	133
4771	Cassiopea	8	24 5,44	5,101	21 9 53,2	16,224	375
4772	Cetus	9½	24 6,15	3,107	87 17 33,4	16,224	47
4773	Cetus	7	24 9,44	2,980	96 31 23,2	16,220	464
4774	Cetus	7	24 17,79	2,885	103 13 15,3	16,213	245
4775	Cetus	6½	24 17,81	2,885	103 13 15,5	16,213	463
4776	Triangulum ..	7½	24 18,66	3,498	61 28 45,0	16,213	201
4777	Perseus	7½	24 22,91	3,759	48 48 55,1	16,209	4
4778	Pornax	8	24 23,99	2,665	117 10 35,5	16,208	560
4779	Cetus	6½	24 26,57	2,769	110 52 59,1	16,206	464
4780	Cetus	7	24 29,65	3,161	83 24 24,4	16,203	42
4781	Cetus	6½	24 29,72	3,161	83 24 20,4	16,203	45
4782	Perseus	9	24 30,13	3,654	53 27 48,5	16,202	129
4783	Cassiopea	9	24 30,27	4,330	32 1 57,2	16,202	368
4784	Perseus	6	24 31,77	3,683	52 8 19,4	16,201	131
4785	Aries	8½	24 32,83	3,459	63 42 53,1	16,200	199
4786	Cassiopea	8	24 33,93	4,536	28 16 29,2	16,199	377
4787	Cetus	9	24 35,35	2,828	107 0 53,3	16,198	250
4788	Cetus	8	24 35,55	2,828	107 1 3,5	16,198	463
4789	Perseus	9	24 35,89	3,807	46 55 18,1	16,197	121
4790	Cetus	9	24 36,56	3,075	89 38 25,6	16,197	48
4791	Cassiopea	9	24 37,55	4,342	31 48 40,0	16,196	368
4792	Aries	9	24 38,62	3,292	74 16 17,8	16,195	192
4793	Perseus .....	.	24 39,63	3,653	53 31 31,5	16,194	129
4794	Aries	8½	24 40,01	3,465	63 24 33,7	16,194	199
4795	Cetus .....	.	24 41,22	3,052	91 15 16,7	16,193	202
4796	Cassiopea	9	24 45,72	4,985	22 24 16,9	16,189	375
4797	Perseus	9	24 47,82	3,686	52 2 26,3	16,187	131
4798	Triangulum ..	7	24 50,19	3,539	59 16 21,5	16,185	124
4799	Perseus	7	24 51,13	3,710	50 58 59,7	16,185	140
4800	Cetus	6	2 24 51,15	+2,948	98 44 22,2	-16,184	248

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4801	Aries	8	2 24 59.79	+3,249	77 12 41.2	-16,177	38
4802	Triangulum ..	7	25 6.40	3,564	57 59 26.5	16,171	198
4803	Cetus	6½	25 6.94	3,152	84 4 42.8	16,171	45
4804	Aries	7½	25 8.02	3,251	77 7 34.1	16,170	38
4805	Perseus	8½	25 11.13	3,867	44 48 32.8	16,167	388
4806	Aries	8	25 18.04	3,252	77 3 54.0	16,161	38
4807	Cassiopea	8½	25 18.17	4,476	29 23 33.1	16,161	372
4808	Aries	9	25 18.81	3,392	67 49 38.3	16,161	35
4809	Perseus	9	25 18.88	4,281	33 11 34.2	16,161	371
4810	Cetus	7	25 19.06	3,008	94 25 6.2	16,160	391
4811	Cetus	7	25 20.55	2,927	100 13 54.7	16,159	246
4812	Triangulum ..	8	25 21.16	3,518	60 28 16.7	16,158	124
4813	Cassiopea	8	25 23.93	4,955	22 48 25.5	16,156	375
4814	Cassiopea	8½	25 25.16	4,955	22 48 22.9	16,155	379
4815	Aries	7½	25 27.39	3,419	66 13 52.4	16,153	30
4816	Aries	9	25 28.31	3,351	70 29 40.5	16,153	33
4817	Fornax	7	25 28.77	2,736	112 47 33.0	16,152	392
4818*	Aries	7	25 28.89	3,419	66 13 52.4	16,152	30
4819	Fornax	7	25 28.94	2,736	112 48 35.3	16,152	558
4820	Perseus	8	25 29.86	3,690	51 57 29.4	16,151	131
4821	Cetus	8½	25 29.95	3,009	94 20 31.0	16,151	391
4822	Cassiopea	8½	25 32.88	4,467	29 35 32.4	16,148	372
4823	Cetus	8½	25 36.39	3,053	91 13 46.9	16,145	202
4824	Cetus	8½	25 38.23	2,925	100 19 36.2	16,144	246
4825	Aries	9	25 38.31	3,461	63 45 52.3	16,144	199
4826	Cetus	7	25 41.17	2,809	108 10 15.9	16,141	463
4827	Fornax	9	25 41.90	2,678	116 15 46.6	16,141	560
4828	Aries	6½	25 44.63	3,232	78 25 36.4	16,138	39
4829	Perseus	9	25 55.19	3,661	53 22 1.7	16,129	129
4830	Perseus	7½	25 58.55	3,666	53 8 53.5	16,126	129
4831*	Cetus	6½	26 0.42	3,165	83 8 54.3	16,125	42
4832	Cetus	6½	26 0.48	3,165	83 8 50.4	16,125	45
4833	Perseus	9	26 2.12	3,797	47 34 36.6	16,123	4
4834*	Perseus	9	26 3.11	3,795	47 38 26.7	16,123	4
4835	Perseus	8	26 4.21	3,875	44 40 18.0	16,121	388
4836	Fornax	5½	26 5.14	2,626	119 7 1.6	16,121	561
4837	Cetus	7½	26 9.36	2,844	105 49 12.2	16,117	250
4838	Cetus	5½	26 9.77	2,948	98 42 28.3	16,117	248
4839	Perseus	8	26 9.95	4,270	33 33 45.8	16,117	371
4840	Cetus	7	2 26 14.89	+3,049	91 30 59.6	-16,112	202

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4841	Cetus	8	2 26 15.16	+3.049	91 31 12.4	-16.112	206
4842	Perseus	9½	26 17.35	3.638	54 31 6.8	16.110	129
4843	Aries	7½	26 18.83	3.355	70 18 7.4	16.109	33
4844	Perseus	8½	26 23.86	3.638	54 32 15.8	16.104	129
4845	Perseus	8	26 24.97	3.699	51 43 27.4	16.103	131
4846	Aries	9	26 25.36	3.396	67 44 45.4	16.103	35
4847	Perseus	8	26 31.15	4.088	38 4 9.5	16.098	390
4848	Cetus	8	26 33.34	3.013	94 2 22.3	16.096	391
4849	Cetus	7½	26 34.63	2.899	102 2 42.4	16.095	245
4850	Cetus	6½	26 36.18	2.802	108 31 41.3	16.093	463
4851	Perseus	8	26 42.06	3.841	46 0 37.7	16.088	121
4852	Cetus	8	26 43.11	2.810	108 1 23.0	16.088	463
4853	Triangulum ..	9	26 43.66	3.616	55 38 56.2	16.087	134
4854	Triangulum ..	8	26 43.88	3.579	57 27 15.1	16.087	198
4855	Triangulum ..	8	26 43.96	3.530	60 2 7.6	16.087	124
4856	Cetus	7½	26 44.59	2.874	103 46 31.2	16.086	463
4857	Perseus	8	26 47.17	4.228	34 36 5.1	16.084	371
4858	Cetus	8½	26 48.16	3.007	94 26 56.4	16.083	391
4859	Cetus	8	26 48.78	3.091	88 27 39.3	16.083	47
4860	Eridanus	7	26 50.61	2.742	112 16 58.7	16.081	392
4861	Aries	8½	26 51.05	3.471	63 21 35.1	16.081	199
4862	Cassiopea	8	26 52.46	4.355	31 53 31.1	16.079	368
4863	Fornax	8½	26 53.86	2.652	117 34 44.2	16.078	561
4864	Perseus	9	26 54.35	3.980	41 18 36.1	16.078	370
4865	Perseus	7½	26 54.53	3.980	41 18 41.3	16.078	380
4866	Aries	8½	26 56.90	3.231	78 36 22.0	16.076	39
4867	Cassiopea	7	26 57.53	4.542	28 30 41.2	16.075	377
4868	Triangulum ..	9	26 57.97	3.525	60 19 49.9	16.075	124
4869	Fornax	8½	26 58.02	2.707	114 24 4.4	16.075	558
4870	Perseus	8	26 59.24	3.843	45 59 18.7	16.074	121
4871	Perseus	9½	27 0.28	3.724	50 44 4.0	16.073	140
4872	Cetus .....	.	27 0.79	3.025	93 12 41.8	16.072	201
4873	Cetus	6½	27 4.50	2.847	105 31 52.4	16.069	463
4874	Cetus	7	27 4.54	2.847	105 31 55.8	16.069	250
4875	Cetus	9	27 7.39	2.940	99 13 20.2	16.067	246
4876	Eridanus	8½	27 8.58	2.742	112 14 28.3	16.065	392
4877	Cassiopea	8	27 12.86	5.030	22 13 38.5	16.062	375
4878	Cassiopea	8½	27 17.12	4.500	29 16 19.7	16.058	372
4879	Cetus	7½	27 24.01	3.166	83 10 40.0	16.052	42
4880	Cetus	7	2 27 24.48	+3.166	83 10 38.0	-16.051	45

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4881	Aries	8	27 24,69	+3,344	71 8 47,5	-16,051	34
4882	Aries	7	27 24,73	3,344	71 8 46,0	16,051	33
4883	Aries	8	27 24,95	3,344	71 8 41,9	16,051	194
4884	Cetus	8	27 27,38	2,898	102 4 31,8	16,049	245
4885	Fornax	7½	27 28,64	2,699	114 47 43,5	16,048	558
4886	Aries	6	27 29,23	3,379	68 54 41,2	16,047	35
4887	Triangulum ..	9	27 29,49	3,584	57 20 56,2	16,047	198
4888	Perseus	•	27 30,70	3,719	51 2 19,3	16,046	140
4889	Fornax	6	27 32,03	2,589	120 55 8,9	16,045	561
4890	Cetus	8	27 32,21	2,986	95 57 55,0	16,045	464
4891	Perseus	9½	27 36,88	4,090	38 11 57,6	16,041	390
4892	Cetus	8½	27 36,90	2,751	111 38 46,4	16,041	392
4893*	Cetus	6	27 37,87	3,010	94 16 8,0	16,040	391
4894	Perseus	8	27 44,97	3,825	46 46 44,6	16,034	121
4895	Triangulum ..	8½	27 45,73	3,584	57 22 29,3	16,033	198
4896	Triangulum ..	8	27 45,96	3,593	56 55 19,5	16,033	134
4897	Triangulum ..	8½	27 46,18	3,595	56 49 7,5	16,033	134
4898	Aries	9	27 47,13	3,444	65 0 0,1	16,031	199
4899	Cassiopea	7	27 49,70	4,960	23 2 16,7	16,029	375
4900	Cassiopea	7½	27 49,90	4,960	23 2 19,2	16,029	379
4901	Fornax	7½	27 52,85	2,679	115 53 47,5	16,027	560
4902	Perseus	8	27 58,01	3,924	43 17 57,0	16,022	388
4903	Aries	8½	28 2,42	3,270	76 2 39,2	16,018	38
4904	Perseus	•	28 5,82	3,728	50 45 12,3	16,015	140
4905	Cetus	7	28 13,13	3,106	87 25 52,0	16,009	47
4906	Cetus	7½	28 15,46	2,869	104 0 30,5	16,007	463
4907	Cetus	9	28 15,72	3,038	92 16 52,5	16,006	206
4908	Perseus	9	28 17,28	3,637	54 51 50,5	16,005	129
4909	Aries	7	28 18,44	3,208	80 13 53,8	16,004	41
4910	Cetus	9	28 20,12	3,184	81 57 5,4	16,003	42
4911	Cassiopea	8½	28 21,04	4,361	31 58 31,7	16,002	368
4912	Triangulum ..	8	28 27,13	3,563	58 32 53,7	15,996	198
4913	Cetus	8	28 29,83	2,894	102 15 31,9	15,994	245
4914	Triangulum ..	8	28 30,41	3,516	61 4 19,0	15,993	124
4915	Fornax	7	28 41,61	2,712	113 52 9,1	15,984	558
4916	Perseus	6½	28 50,10	4,193	35 45 29,3	15,976	373
4917	Perseus	8½	28 52,46	3,854	45 51 54,0	15,974	121
4918	Cassiopea	7½	28 55,77	4,553	28 36 22,1	15,971	377
4919	Perseus	6½	28 58,86	4,131	37 20 19,8	15,968	390
4920	Cassiopea	9	28 59,66	+6,820	12 10 51,6	-15,967	351

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4921	Aries	5	2	29	0,84	+3,468	63 48 22,4	-15,967	30
4922	Aries	6		29	0,95	3,468	63 48 23,1	15,967	199
4923	Perseus	9		29	1,94	4,254	34 21 43,7	15,966	371
4924	Aries	8½		29	3,71	3,460	64 14 49,5	15,964	199
4925	Aries	8		29	5,47	3,300	74 8 21,5	15,963	193
4926	Aries	8½		29	13,32	3,370	69 40 49,4	15,956	33
4927	Cetus δ	4		29	14,55	3,062	90 32 28,8	15,955	48
4928	Cetus δ	3		29	14,96	3,062	90 32 30,9	15,954	206
4929*	Cetus δ	3		29	15,16	3,062	90 32 31,1	15,954	202
4930	Perseus	8		29	18,27	3,914	43 50 8,3	15,951	388
4931	Perseus	9		29	20,42	3,955	42 30 4,2	15,949	380
4932	Aries	8½		29	21,34	3,371	69 38 44,4	15,949	33
4933	Triangulum ..	8½		29	21,78	3,610	56 20 59,5	15,948	134
4934	Eridanus	7		29	22,79	2,753	111 19 32,2	15,947	392
4935	Aries	8½		29	23,94	3,329	72 16 15,0	15,946	194
4936	Cetus	9½		29	27,04	3,088	88 44 18,7	15,943	47
4937	Cassiopea	9		29	31,03	4,800	25 8 3,3	15,940	378
4938	Aries	8½		29	33,84	3,252	77 20 20,9	15,938	39
4939	Cetus	9		29	37,55	3,060	90 42 41,0	15,934	45
4940	Cetus	8		29	38,21	2,888	102 37 5,7	15,934	245
4941	Perseus	5½		29	40,72	3,736	50 39 39,6	15,931	140
4942	Perseus	6		29	40,91	3,954	42 35 51,4	15,931	380
4943	Cetus	7		29	43,85	3,144	84 45 20,0	15,929	45
4944	Eridanus	7		29	45,87	2,752	111 19 31,0	15,927	464
4945	Perseus	8½		29	47,65	3,795	48 16 23,8	15,926	4
4946	Cetus	7½		29	52,83	2,849	105 8 56,0	15,921	478
4947	Perseus	10		29	53,11	3,738	50 36 24,6	15,920	140
4948	Perseus	8½		29	53,51	3,738	50 36 11,6	15,920	140
4949	Cetus δ	4		29	53,55	2,886	102 43 32,2	15,920	463
4950	Cetus δ	4		29	53,72	2,886	102 43 38,6	15,920	463
4951	Cetus δ	3		29	53,86	2,886	102 43 10,1	15,920	245
4952	Aries	7½		29	56,02	3,333	72 3 59,4	15,918	34
4953	Aries	7½		29	56,52	3,333	72 3 58,8	15,917	194
4954	Perseus	9		29	56,71	3,801	48 2 37,5	15,917	4
4955	Fornax	9		29	59,17	2,686	115 12 17,7	15,915	558
4956	Fornax	7		30	2,25	2,662	116 36 34,9	15,912	560
4957	Aries	8		30	2,38	3,468	63 55 23,4	15,912	30
4958	Aries	8½		30	2,44	3,468	63 55 28,3	15,912	199
4959	Eridanus	8		30	5,28	2,757	111 1 24,8	15,910	392
4960	Triangulum ..	7½	2	30	5,41	+3,541	59 55 33,3	-15,910	125

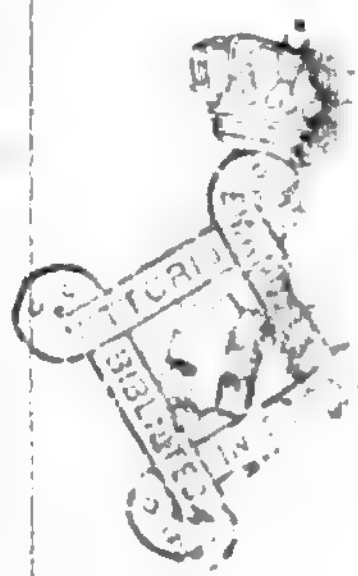
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4961	Perseus	9	2 30 9,27	+4,079	38 54 9,3	-15,906	43
4962	Cetus	9	30 9,48	2,930	99 44 11,8	15,906	246
4963	Triangulum ..	7½	30 10,96	3,608	56 34 16,8	15,905	134
4964	Cassiopea	8	30 12,52	4,594	28 7 42,1	15,903	377
4965	Cetus	8½	30 15,34	3,084	89 0 0,4	15,901	47
4966	Aries	9½	30 17,55	3,291	74 49 24,9	15,899	193
4967	Perseus	8	30 19,49	3,918	43 52 55,6	15,897	388
4968	Fornax	7½	30 20,30	2,623	118 41 20,0	15,896	561
4969	Cetus	6	30 29,01	2,921	100 18 55,2	15,888	246
4970	Triangulum ..	8½	30 29,19	3,598	57 5 41,4	15,888	198
4971	Bridanus	8	30 30,66	2,752	111 17 9,0	15,887	392
4972	Perseus	8	30 32,08	3,670	53 41 19,9	15,886	129
4973	Fornax	7½	30 33,14	2,664	116 26 12,5	15,884	560
4974*	Cetus	8	30 35,24	2,985	95 53 17,0	15,883	464
4975	Persens	6½	30 36,05	3,989	41 37 36,1	15,882	370
4976	Cetus	7½	30 36,13	2,817	107 10 33,2	15,882	463
4977	Cetus	8	30 36,20	2,820	106 57 53,3	15,882	478
4978	Cetus	6½	30 36,20	2,817	107 10 31,5	15,882	478
4979	Perseus θ	4	30 36,57	3,989	41 37 41,0	15,882	380
4980	Cetus	7½	30 36,65	3,144	84 47 35,4	15,882	45
4981	Triangulum ..	8	30 38,39	3,581	57 57 33,5	15,880	198
4982	Persens	8	30 39,06	3,847	46 26 18,9	15,880	121
4983	Triangulum ..	8½	30 45,10	3,581	57 59 31,5	15,874	198
4984	Cetus	8½	30 45,59	3,180	82 20 9,6	15,874	42
4985	Perseus	9½	30 54,85	4,269	34 17 46,2	15,865	371
4986	Fornax	8	30 54,93	2,692	114 47 49,8	15,865	558
4987	Cetus	6½	30 56,14	2,845	105 18 55,0	15,864	478
4988	Cetus	8	30 56,67	2,845	105 18 57,3	15,864	250
4989	Perseus	9½	30 56,86	4,270	34 17 46,3	15,864	371
4990	Persens	9	30 58,60	3,666	53 55 14,3	15,862	129
4991	Cetus	6½	30 59,38	3,047	91 33 9,2	15,861	48
4992	Aries..... μ	5½	31 6,58	3,354	70 50 55,9	15,855	34
4993	Aries..... μ	5½	31 6,89	3,354	70 50 50,6	15,855	33
4994	Aries..... μ	6	31 7,24	3,354	70 50 56,1	15,854	194
4995	Perseus	6	31 7,54	3,845	46 33 50,1	15,854	121
4996	Cassiopea	8	31 8,10	5,180	21 13 13,7	15,854	375
4997	Cetus	9	31 13,53	2,989	95 37 56,3	15,849	464
4998	Persens	9	31 13,98	3,608	56 41 12,1	15,848	134
4999	Aries	6½	31 15,64	3,210	80 18 58,6	15,847	41
5000	Aries	9	2 31 15,89	+3,306	73 54 15,6	-15,847	193

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			h m s	s	° ' "	"	
5001	Perseus	7	2 31 17,82	+3,918	44 0 45,2	-15,845	388
5002	Cassiopea	9½	31 25,20	4,740	26 10 5,0	15,838	378
5003	Aries	8	31 25,31	3,472	63 51 21,4	15,838	199
5004	Aries	8	31 30,03	3,280	75 38 39,0	15,834	38
5005	Fornax	7½	31 33,55	2,687	115 0 3,8	15,831	558
5006	Aries	6½	31 43,94	3,213	80 7 5,4	15,822	41
5007	Cetus	8½	31 44,46	3,065	90 18 47,0	15,821	48
5008	Cetus	6	31 44,61	3,011	94 4 26,8	15,821	391
5009	Aries	5	31 44,78	3,486	63 9 8,7	15,821	199
5010	Aries	8	31 44,84	3,359	70 37 44,6	15,821	33
5011	Aries	4½	31 45,09	3,486	63 9 8,4	15,821	30
5012	Aries	4½	31 45,13	3,486	63 9 8,3	15,821	201
5013	Aries	4	31 45,49	3,486	63 9 4,0	15,820	125
5014	Cassiopea	8	31 56,19	4,479	30 17 0,6	15,811	372
5015	Triangulum ..	9	31 56,80	3,572	58 36 18,5	15,810	198
5016	Perseus	7	31 58,53	3,630	55 44 33,5	15,809	134
5017	Triangulum ..	8	32 0,69	3,575	58 29 11,3	15,807	198
5018	Cetus	7	32 1,60	2,834	105 57 37,7	15,806	478
5019	Aries	9	32 1,63	3,346	71 25 48,3	15,805	194
5020	Cetus	6	32 5,18	2,843	105 24 51,1	15,802	250
5021	Cetus	6	32 5,21	2,843	105 24 49,4	15,802	463
5022	Cetus	6	32 5,23	2,842	105 24 52,7	15,802	478
5023	Cetus	6	32 5,78	2,842	105 24 51,5	15,802	465
5024	Perseus	8½	32 7,14	4,139	37 37 11,8	15,801	43
5025	Perseus	8	32 9,43	4,333	33 7 17,7	15,799	368
5026	Perseus	8	32 10,86	4,333	33 7 22,6	15,797	371
5027	Fornax	9	32 11,93	2,679	115 21 37,3	15,796	560
5028	Perseus	9	32 15,29	3,989	41 53 53,0	15,794	380
5029	Aries	6½	32 15,98	3,450	65 13 15,8	15,793	30
5030	Cetus	9	32 20,70	2,935	99 14 14,2	15,788	246
5031	Perseus	8½	32 21,62	4,137	37 41 26,8	15,788	43
5032	Perseus	8	32 27,86	4,174	36 46 36,8	15,782	373
5033	Aries	8	32 31,71	3,317	73 18 35,0	15,779	34
5034	Aries	8	32 32,11	3,317	73 18 35,9	15,778	193
5035	Perseus	8	32 42,15	4,334	33 10 27,9	15,769	368
5036	Perseus	9	32 42,40	4,334	33 10 39,9	15,769	371
5037	Aries	8½	32 45,74	3,494	62 50 24,0	15,766	201
5038	Aries	9	32 51,78	3,252	77 34 7,3	15,761	39
5039	Cassiopea	9	32 51,81	4,620	28 5 24,1	15,761	377
5040	Cetus	8½	2 32 53,08	+2,819	106 52 50,9	-15,759	250

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5041	Cetus	7	2 32 53.49	+2,819	106 52 51.5	-15,759	463
5042	Perseus	8	32 53.91	3,619	56 26 30.3	15,759	134
5043	Eridanus	9	32 54.14	2,710	113 28 0.4	15,758	558
5044	Cetus	8	32 57.12	2,963	97 20 48.3	15,756	464
5045	Cetus.....γ	4	32 57.15	3,104	87 36 52.7	15,756	47
5046	Cetus	8½	32 58.37	2,963	97 20 44.8	15,754	248
5047	Cetus	9	32 58.53	2,905	101 16 6.3	15,754	245
5048	Cetus	9	33 6.07	3,082	89 6 44.0	15,748	48
5049	Perseus	8½	33 9.31	3,742	50 56 25.5	15,745	140
5050	Aries	8	33 10.29	3,282	75 36 47.2	15,744	38
5051	Aries	6½	33 10.45	3,322	73 5 24.1	15,744	194
5052	Aries	6½	33 10.55	3,321	73 5 26.8	15,744	34
5053	Aries	7	33 11.20	3,322	73 5 27.7	15,743	193
5054	Cetus	7	33 13.38	2,961	97 30 0.0	15,741	248
5055	Cetus	7	33 13.42	2,961	97 29 58.7	15,741	464
5056	Perseus	8½	33 19.60	3,760	50 14 20.1	15,735	140
5057	Eridanus	8½	33 22.49	2,729	112 19 32.7	15,732	392
5058	Cetus	6½	33 23.04	3,020	93 23 23.2	15,732	391
5059	Cassiopea	8	33 26.07	6,323	14 18 37.5	15,729	351
5060	Perseus	8	33 32.29	4,245	35 14 8.6	15,724	373
5061	Aries .....θ	6	33 32.80	3,284	75 32 34.1	15,724	38
5062	Perseus	8	33 33.09	3,842	47 5 1.2	15,723	121
5063	Cetus	9	33 33.96	3,165	83 28 0.1	15,723	45
5064	Perseus	8	33 36.94	3,621	56 25 24.4	15,720	134
5065	Cassiopea	9	33 37.89	5,125	22 14 49.6	15,719	375
5066	Triangulum ..	9	33 42.14	3,539	60 31 56.7	15,715	125
5067	Cassiopea ...	8	33 44.52	4,758	26 12 58.9	15,713	378
5068	Eridanus	8	33 46.86	2,748	111 8 51.0	15,711	464
5069	Perseus	8	33 47.03	3,643	55 24 4.7	15,711	134
5070	Perseus	8	33 48.41	3,661	54 34 54.5	15,709	129
5071	Perseus	9	33 50.05	4,254	35 4 35.7	15,708	373
5072	Aries	9	33 50.20	3,479	63 47 52.0	15,708	199
5073	Perseus	9	33 53.46	4,001	41 46 36.5	15,705	380
5074	Cetus	7	34 3.45	2,969	96 51 57.0	15,696	464
5075	Aries	6	34 4.67	3,241	78 24 14.9	15,695	39
5076	Cetus	7	34 5.81	2,941	98 45 54.1	15,694	248
5077	Cetus	8½	34 5.85	2,964	97 12 11.2	15,694	248
5078	Perseus	9	34 7.11	3,763	50 14 3.3	15,693	140
5079	Aries	4	34 8.75	3,205	80 44 20.2	15,691	41
5080	Aries	4½	2 34 8.91	+3,205	80 44 22.2	-15,691	42

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5081	Fornax	6½	2 34 9.53	+2,608	119 0 33.1	-15,690	561
5082	Cassiopea	8	34 10.64	4,362	32 48 45.2	15,689	368
5083	Cetus	8	34 14.08	2,963	97 16 7.2	15,686	464
5084	Perseus	8	34 14.74	3,727	51 44 17.9	15,685	122
5085	Cetus	8½	34 14.86	2,963	97 16 14.4	15,685	248
5086	Perseus .....	.	34 16.65	3,732	51 31 20.7	15,684	122
5087	Triangulum ..	8½	34 20.36	3,574	58 51 16.1	15,680	198
5088	Perseus	8	34 20.76	3,803	48 40 43.9	15,680	4
5089	Cassiopea	7	34 21.55	5,139	21 57 16.8	15,679	375
5090	Perseus	8½	34 26.48	3,836	47 26 54.3	15,675	4
5091	Aries	8	34 29.88	3,371	70 9 32.7	15,672	33
5092	Perseus	7	34 30.59	3,860	46 34 39.9	15,671	121
5093	Aries	9	34 31.83	3,356	71 3 37.2	15,670	194
5094	Aries	8	34 35.52	3,456	65 11 33.6	15,666	30
5095	Perseus	7	34 36.03	4,317	33 48 51.3	15,666	371
5096	Cetus .....π	3½	34 36.61	2,850	104 42 46.9	15,665	478
5097	Cetus .....π	4	34 36.67	2,850	104 42 43.4	15,665	463
5098	Cetus .....π	3½	34 36.95	2,850	104 42 40.6	15,665	465
5099	Aries	8	34 37.12	3,312	73 49 55.3	15,665	193
5100	Cetus .....π	4½	34 37.41	2,850	104 42 43.0	15,665	245
5101	Cassiopea	9	34 38.16	4,688	27 18 18.1	15,664	377
5102	Perseus	7	34 39.55	3,658	54 51 55.9	15,663	129
5103	Aries	9	34 41.37	3,481	63 47 45.1	15,661	199
5104	Perseus	9	34 43.66	4,359	32 57 33.6	15,659	368
5105	Perseus	9	34 44.89	3,748	50 55 56.0	15,658	140
5106	Fornax	9	34 46.40	2,655	116 23 15.2	15,656	560
5107	Perseus	7	34 47.91	3,649	55 17 31.9	15,655	134
5108	Cassiopea	9	34 49.49	4,697	27 11 54.1	15,654	377
5109	Perseus	7	34 52.21	4,320	33 45 44.4	15,651	371
5110	Cetus	6	34 52.66	3,126	86 8 18.9	15,651	202
5111	Perseus	8	34 54.21	3,860	46 38 35.1	15,650	121
5112	Perseus	8	35 0.99	3,699	53 3 27.4	15,643	129
5113	Fornax	7½	35 3.08	2,610	118 45 25.5	15,641	561
5114	Triangulum ..	.	35 5.01	3,564	59 26 53.0	15,640	125
5115	Perseus	9	35 12.42	3,740	51 20 31.7	15,633	122
5116	Perseus	8	35 16.41	3,845	47 13 35.4	15,629	4
5117	Perseus	8½	35 16.64	4,150	37 48 35.8	15,629	43
5118	Aries	9	35 16.97	3,281	75 50 26.4	15,629	38
5119	Perseus	8	35 17.38	4,012	41 39 39.2	15,628	380
5120	Fornax	6½	2 35 21.49	+2,654	116 21 6.9	-15,625	560

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5121	Perseus	9	2 35 24.35	+3,610	57 12 41.6	-15,622	198
5122	Cassiopea	8	35 31.24	4,853	25 12 21.6	15,616	378
5123	Aries	8½	35 32.20	3,477	64 6 27.6	15,615	199
5124	Perseus	9	35 36.72	4,254	35 20 51.7	15,611	373
5125	Perseus	9	35 42.90	4,018	41 32 35.1	15,605	380
5126	Cetus	9	35 43.39	3,139	85 15 14.6	15,605	45
5127	Cetus	8½	35 43.51	3,139	85 15 25.1	15,604	202
5128	Cetus	8½	35 45.97	2,824	106 16 46.2	15,602	250
5129	Cetus	7½	35 46.13	2,824	106 16 47.8	15,602	478
5130	Eridanus ..τ¹	4	35 46.21	2,773	109 25 33.4	15,602	464
5131	Eridanus ..τ¹	4	35 46.23	2,773	109 25 30.9	15,602	463
5132	Cetus	8	35 46.74	2,824	106 16 39.7	15,601	465
5133	Aries	8	35 47.01	3,532	61 10 2.8	15,601	125
5134	Aries	7½	35 49.58	3,411	67 53 10.5	15,599	35
5135	Cassiopea	8½	35 49.86	4,501	30 25 27.3	15,598	372
5136	Perseus	7	35 50.04	3,952	43 37 39.4	15,598	388
5137	Cassiopea	9½	35 56.83	4,500	30 27 27.4	15,592	372
5138	Eridanus	7	35 58.70	2,712	113 0 46.1	15,591	558
5139	Eridanus	7½	35 58.97	2,712	113 0 41.3	15,590	392
5140	Cetus	7½	36 0.43	2,984	95 48 26.3	15,589	464
5141	Aries	4	36 0.79	3,525	61 35 32.3	15,588	30
5142	Aries	4½	36 1.52	3,525	61 35 28.2	15,588	201
5143	Aries	4	36 2.15	3,525	61 35 30.4	15,587	125
5144	Aries	8	36 2.21	3,240	78 35 7.6	15,587	39
5145	Cassiopea	7½	36 8.94	6,510	13 45 18.3	15,581	351
5146	Eridanus	7	36 9.33	2,742	111 15 5.2	15,581	464
5147	Aries	9	36 9.75	3,521	61 48 3.7	15,580	30
5148	Perseus	8½	36 10.37	3,893	45 34 55.3	15,580	121
5149	Aries	7	36 11.17	3,352	71 28 0.4	15,579	34
5150	Aries	7½	36 11.35	3,352	71 27 55.2	15,579	194
5151	Perseus ....η	4	36 12.48	4,275	34 56 49.4	15,578	373
5152	Aries	9	36 12.57	3,318	73 33 46.0	15,578	193
5153	Perseus	8	36 14.08	3,951	43 42 5.7	15,576	388
5154	Perseus	8	36 16.45	3,619	56 54 22.5	15,574	134
5155	Perseus ....η	4½	36 17.55	4,276	34 56 45.2	15,573	371
5156	Cassiopea	7	36 18.19	4,694	27 25 17.9	15,573	377
5157	Aries	9	36 18.54	3,317	73 38 11.2	15,572	193
5158	Aries	8	36 23.07	3,485	63 46 12.4	15,568	199
5159	Perseus	8½	36 25.80	3,840	48 54 30.0	15,565	4
5160	Perseus	10	2 36 28.10	+3,769	50 19 28.8	-15,563	140



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5161	Perseus	9	2 36 29,89	+4,154	37 53 28,2	-15,562	43
5162	Perseus	9	36 30,39	3,702	53 10 46,8	15,561	129
5163	Perseus	9	36 31,89	3,901	45 26 15,0	15,560	121
5164	Aries	9½	36 34,38	3,319	73 32 36,1	15,557	193
5165	Perseus	8½	36 35,09	3,769	50 21 51,0	15,557	140
5166	Aries	8	36 37,52	3,286	75 36 44,1	15,555	38
5167	Cassiopea	8½	36 39,41	4,789	26 10 2,1	15,553	378
5168	Perseus	9	36 39,58	3,985	42 41 38,5	15,553	380
5169	Cetus	9	36 41,12	3,195	81 32 7,2	15,552	42
5170	Cetus	8	36 41,56	2,958	97 32 54,8	15,551	248
5171	Cetus	8	36 50,59	2,971	96 40 48,7	15,543	464
5172	Cassiopea	7½	36 51,44	4,395	32 31 31,0	15,542	368
5173	Perseus	9	36 54,08	3,636	56 11 21,1	15,539	134
5174	Aries	7	36 58,10	3,291	75 20 10,8	15,536	38
5175	Perseus	8½	36 59,68	3,598	57 59 48,7	15,534	198
5176	Perseus	7½	37 1,59	3,696	53 30 56,2	15,532	129
5177	Aries	9	37 3,39	3,470	64 40 56,6	15,531	199
5178	Aries	9	37 3,53	3,354	70 50 2,4	15,531	33
5179	Cetus	8½	37 5,56	2,845	104 49 16,2	15,529	463
5180	Perseus	9	37 9,52	3,584	58 43 38,5	15,525	198
5181	Perseus	9	37 10,15	3,684	54 2 0,8	15,525	129
5182	Perseus	8½	37 11,43	3,992	42 33 0,6	15,524	380
5183	Cetus	8	37 17,46	2,971	96 37 16,6	15,518	464
5184	Aries	6	37 20,70	3,336	72 33 26,1	15,515	194
5185	Aries	6	37 20,79	3,336	72 33 30,3	15,515	34
5186	Eridanus	7½	37 21,08	2,718	112 30 36,9	15,515	392
5187	Cetus	8	37 21,55	3,008	94 8 30,7	15,514	391
5188	Cetus	8½	37 21,71	3,082	89 8 18,8	15,514	47
5189	Cetus	8½	37 22,06	3,082	89 8 20,3	15,514	49
5190	Cassiopea	9	37 25,43	4,721	27 11 17,0	15,510	377
5191	Cetus	9	37 25,97	2,855	104 11 18,3	15,510	463
5192	Cetus	9	37 26,17	2,824	106 7 50,6	15,510	250
5193	Cetus	8½	37 26,98	2,824	106 7 58,1	15,509	478
5194	Perseus	9	37 31,25	3,781	50 1 10,9	15,505	140
5195	Cassiopea	9	37 35,93	4,518	30 21 53,0	15,501	372
5196	Eridanus	6½	37 40,22	2,718	112 29 11,8	15,497	392
5197	Perseus	7½	37 41,21	4,164	37 48 18,4	15,496	43
5198	Cetus	9	37 43,67	2,823	106 13 22,2	15,494	250
5199	Cetus	8	37 43,74	2,822	106 13 22,6	15,494	478
5200	Perseus	9	2 37 46,15	+3,718	52 39 40,6	-15,491	122

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5201	Perseus	7	2 37 46,18	+4,164	37 50 5,5	-15,491	43
5202	Perseus	9½	37 47,18	4,349	33 34 48,3	15,490	371
5203	Perseus	8½	37 52,33	3,900	45 40 6,7	15,486	121
5204	Perseus	4	38 0,44	3,722	52 30 52,6	15,478	122
5205	Triangulum ..	7½	38 3,30	3,555	60 18 33,6	15,475	125
5206	Perseus	9	38 6,75	3,805	49 10 38,3	15,472	140
5207	Cassiopea	9	38 7,51	4,774	26 32 0,0	15,471	378
5208	Aries	9	38 8,00	3,492	63 35 52,5	15,471	199
5209	Aries .....π	5½	38 8,99	3,324	73 22 31,7	15,470	35
5210	Aries .....π	6	38 9,49	3,324	73 22 29,1	15,470	193
5211	Eridanus	7	38 10,11	2,703	113 19 39,4	15,469	392
5212	Eridanus	6½	38 10,37	2,702	113 19 42,9	15,469	558
5213	Cetus	6½	38 10,70	3,003	94 27 39,6	15,469	391
5214	Perseus	7	38 10,71	3,691	53 53 0,9	15,469	129
5215	Aries	3	38 12,89	3,321	73 34 38,6	15,467	193
5216	Aries	4	38 13,82	3,493	63 34 22,2	15,466	30
5217	Aries	3	38 14,54	3,493	63 34 23,5	15,465	199
5218	Aries	3½	38 14,63	3,493	63 34 20,9	15,465	201
5219	Perseus	8½	38 17,21	3,602	57 59 23,9	15,463	198
5220	Cetus	7	38 21,47	2,868	103 18 3,2	15,459	463
5221	Perseus	5½	38 22,17	3,952	43 59 39,8	15,458	388
5222	Cetus	7	38 22,27	2,868	103 18 2,5	15,458	245
5223	Perseus	7	38 22,90	3,584	58 51 49,0	15,457	198
5224	Cetus	9	38 32,15	3,118	86 45 37,9	15,449	202
5225	Cetus	7	38 33,19	2,971	96 34 44,5	15,448	464
5226	Perseus	8	38 34,48	3,657	55 26 37,9	15,447	134
5227	Perseus	8	38 34,76	3,900	45 46 39,0	15,446	121
5228	Aries	8	38 36,80	3,459	65 30 17,3	15,445	30
5229	Cetus	8½	38 42,84	2,922	99 50 21,0	15,439	246
5230	Cetus	9	38 43,21	3,034	92 21 38,1	15,438	206
5231	Perseus	7	38 44,98	3,896	45 56 32,2	15,437	121
5232	Perseus	8	38 46,54	4,169	37 50 5,3	15,435	370
5233	Perseus	9½	38 46,77	3,697	53 43 21,9	15,435	129
5234	Aries	8½	38 55,54	3,430	67 9 41,4	15,427	35
5235	Cassiopea	8½	39 1,70	5,187	21 59 28,6	15,421	375
5236	Cetus	7	39 1,78	2,994	95 3 46,3	15,421	391
5237	Cassiopea	8½	39 5,33	4,773	26 40 25,6	15,418	378
5238	Perseus	8	39 5,72	4,019	42 11 55,9	15,417	380
5239	Perseus	9	39 5,93	3,770	50 41 49,8	15,417	140
5240	Perseus	8	2 39 6,70	+3,553	60 32 46,0	-15,416	125

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5241	Perseus	8	2 39 9.77	+3,557	60 19 30.8	-15,413	125
5242	Perseus	5	39 13.53	3,652	55 46 22.3	15,410	134
5243*	Cassiopea	9	39 16.08	4,904	25 1 14.9	15,407	379
5244	Aries	9	39 16.13	3,265	77 7 35.5	15,407	39
5245	Eridanus	8	39 19.37	2,797	107 39 9.1	15,405	463
5246	Cetus	7	39 21.42	3,071	89 55 0.5	15,403	49
5247	Aries	8	39 22.94	3,432	67 5 40.5	15,401	35
5248	Aries	7½	39 25.66	3,354	71 40 21.3	15,399	194
5249	Aries	7	39 25.75	3,354	71 40 16.7	15,399	35
5250	Perseus	7	39 30.96	3,820	48 48 23.9	15,394	4
5251	Aries	9	39 31.12	3,262	77 23 14.9	15,394	39
5252	Eridanus	7½	39 33.00	2,729	111 39 34.5	15,392	392
5253	Cetus	8	39 38.04	2,897	101 23 16.2	15,387	245
5254	Cetus	8	39 38.38	2,897	101 23 14.4	15,387	246
5255	Perseus	9½	39 39.11	3,704	53 32 23.9	15,386	129
5256	Cetus	8½	39 40.20	3,004	94 23 4.6	15,385	391
5257	Perseus	7½	39 44.77	3,699	53 44 24.1	15,381	129
5258	Perseus	7	39 48.20	4,015	42 15 41.5	15,378	380
5259	Perseus	8½	39 54.94	3,605	58 5 26.4	15,371	198
5260	Perseus	8	39 57.68	3,553	60 38 16.3	15,369	125
5261	Cetus	8½	40 1.14	2,986	95 32 53.9	15,365	464
5262	Cassiopea	7½	40 4.19	4,795	26 29 38.9	15,362	378
5263	Cetus	8	40 4.98	3,072	89 52 9.6	15,362	49
5264	Cassiopea	8½	40 6.16	5,239	21 37 34.6	15,361	375
5265	Aries	8	40 6.31	3,498	63 32 33.8	15,361	199
5266	Perseus	8	40 7.92	3,552	60 43 23.2	15,359	132
5267	Perseus	8½	40 8.71	3,872	47 0 9.5	15,358	121
5268	Perseus τ	6	40 9.45	4,168	38 3 58.2	15,358	370
5269	Perseus τ	5	40 9.81	4,168	38 4 0.3	15,357	43
5270	Perseus	8	40 10.29	3,560	60 18 28.1	15,357	125
5271	Cassiopea	6	40 10.52	7,339	11 23 37.6	15,356	351
5272	Perseus	8	40 10.62	3,560	60 18 33.8	15,356	132
5273	Cassiopea	7	40 13.35	4,603	29 18 30.2	15,354	372
5274	Cassiopea	6½	40 13.67	4,603	29 18 30.2	15,354	377
5275	Perseus	9	40 19.89	3,709	53 23 31.9	15,348	129
5276	Cetus	7	40 23.22	2,982	95 49 19.6	15,345	464
5277	Aries	8½	40 25.94	3,495	63 44 48.2	15,342	199
5278	Perseus	8	40 26.99	3,554	60 39 5.2	15,341	132
5279	Perseus	8	40 27.17	3,554	60 39 3.4	15,341	125
5280	Aries σ	6	2 40 28.26	+3,289	75 44 58.5	-15,340	38

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5281	Eridanus	8	2 40 28,40	+2,844	104 40 55,9	-15,340	463
5282	Eridanus	9	40 28,44	2,844	104 40 52,9	15,340	465
5283	Aries σ	6	40 28,44	3,289	75 44 55,8	15,340	193
5284	Perseus	9	40 34,99	3,669	55 11 5,1	15,333	134
5285	Cassiopea	7½	40 35,27	4,677	28 12 54,3	15,333	378
5286	Eridanus	9½	40 36,01	2,737	111 4 49,2	15,333	464
5287	Perseus	6½	40 36,50	3,973	43 40 7,3	15,332	388
5288	Perseus	9	40 37,66	4,007	42 36 42,1	15,331	380
5289	Eridanus	8½	40 39,11	2,737	111 4 54,2	15,330	464
5290	Cetus	9	40 44,67	3,124	86 23 33,8	15,325	202
5291	Cetus	8	40 57,77	3,145	84 59 16,8	15,312	45
5292	Perseus	9	40 57,79	3,555	60 41 6,4	15,312	132
5293	Perseus	9	40 58,17	3,555	60 41 1,6	15,312	125
5294	Cetus	8	40 58,60	3,103	87 46 32,5	15,311	47
5295	Fornax	6½	40 58,81	2,660	115 23 22,3	15,311	563
5296	Cetus	9	40 58,94	3,082	89 7 51,4	15,311	49
5297	Cetus	9	40 59,12	3,171	83 16 59,2	15,311	42
5298	Fornax	6	40 59,21	2,659	115 23 20,4	15,311	558
5299	Perseus	8½	41 1,05	4,007	42 40 55,4	15,309	380
5300	Perseus	6	41 8,07	3,733	52 29 15,2	15,302	122
5301	Aries	8½	41 9,50	3,542	61 22 9,0	15,301	201
5302	Perseus	8	41 14,33	3,842	48 14 1,9	15,297	4
5303	Fornax	5½	41 14,59	2,594	118 46 48,3	15,297	561
5304	Cetus	8	41 15,08	3,047	91 31 23,7	15,296	206
5305	Cetus	8½	41 16,37	3,058	90 44 49,8	15,295	49
5306	Cetus	7½	41 18,24	3,012	93 49 43,3	15,293	391
5307	Perseus	6	41 20,66	3,586	59 11 0,3	15,291	30
5308	Perseus	8½	41 31,29	4,013	42 33 59,4	15,281	380
5309	Perseus	8	41 32,03	3,613	57 54 37,4	15,280	198
5310	Cassiopea	8	41 34,39	4,815	26 24 13,4	15,277	378
5311	Perseus	9	41 42,14	3,847	48 7 52,9	15,271	4
5312	Cetus	8	41 44,23	3,141	85 18 15,0	15,268	202
5313	Cetus	8	41 44,39	3,141	85 19 16,5	15,268	45
5314	Aries	8½	41 51,46	3,533	61 54 26,8	15,262	201
5315	Eridanus	7½	41 51,65	2,686	113 51 40,0	15,261	558
5316	Eridanus	8	41 51,69	2,686	113 50 41,5	15,261	563
5317	Perseus	8	41 52,30	3,588	59 7 49,4	15,261	30
5318	Perseus	8½	41 53,15	3,589	59 7 48,3	15,260	125
5319	Perseus	9½	41 53,59	4,326	34 38 47,1	15,259	371
5320	Perseus	8½	2 41 55,42	+4,018	42 29 6,6	-15,258	380

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5321	Eridanus .. τ^2	4	2 41 58.02	+2,722	111 50 7.5	-15,255	558
5322	Eridanus .. τ^2	4	41 58.46	2,722	111 50 4.4	15,255	392
5323	Cetus	8½	42 0.52	3,047	91 28 44.8	15,253	206
5324	Cassiopea	9	42 1.42	4,593	29 41 35.9	15,252	372
5325	Perseus	8	42 2.19	3,602	58 29 17.2	15,252	198
5326	Aries	6½	42 4.79	3,313	74 20 33.7	15,249	193
5327	Perseus	8½	42 4.92	4,018	42 29 6.7	15,249	380
5328	Cassiopea	9	42 5.16	5,297	21 18 52.0	15,249	375
5329	Cetus	8	42 5.42	3,156	84 21 14.1	15,248	45
5330	Perseus	8½	42 5.68	3,722	53 4 59.0	15,248	122
5331	Perseus	7½	42 7.06	3,985	43 31 14.8	15,246	388
5332	Aries	8½	42 16.28	3,492	64 4 42.0	15,238	199
5333	Eridanus	8½	42 16.85	2,930	99 5 45.7	15,228	246
5334	Aries	9½	42 27.19	3,497	63 51 51.7	15,228	199
5335	Eridanus	8½	42 31.48	2,785	108 4 50.3	15,223	463
5336	Perseus	9	42 34.21	3,700	54 5 34.0	15,221	129
5337	Cetus	9	42 37.03	3,140	85 24 9.4	15,218	202
5338	Perseus	9	42 51.16	3,731	52 49 23.9	15,205	122
5339	Cetus	9	42 54.14	3,137	85 34 8.8	15,202	202
5340	Eridanus	6	42 54.21	2,859	103 35 12.1	15,202	463
5341	Perseus	9	42 54.30	3,917	45 50 16.1	15,202	121
5342	Perseus	6½	42 54.65	4,126	39 33 31.4	15,202	43
5343	Aries	7	42 57.80	3,383	70 15 30.3	15,199	33
5344	Perseus	8	43 1.53	3,828	49 1 3.5	15,195	4
5345	Perseus	8½	43 1.66	3,828	49 11 50.5	15,195	140
5346	Cetus	8	43 2.79	3,200	81 29 24.2	15,193	42
5347	Perseus	9	43 5.35	3,683	54 55 24.0	15,191	129
5348	Perseus	6	43 6.37	3,985	43 39 31.3	15,190	388
5349	Perseus	9	43 14.15	4,176	38 18 57.4	15,183	43
5350	Cetus	9	43 15.04	3,135	85 43 0.1	15,182	202
5351	Eridanus	7	43 15.86	2,977	96 4 29.0	15,181	307
5352	Eridanus	7½	43 15.92	2,977	96 4 27.6	15,181	464
5353	Cetus	7½	43 19.20	3,087	88 50 48.1	15,178	47
5354	Cetus	7½	43 20.04	3,087	88 50 50.6	15,177	49
5355	Eridanus	8	43 26.35	2,795	107 26 49.4	15,171	463
5356	Perseus	9	43 27.01	4,321	34 57 10.1	15,171	371
5357	Eridanus	8	43 27.08	2,795	107 26 43.8	15,171	250
5358	Cetus	8	43 27.19	3,032	92 28 2.3	15,171	206
5359	Aries	7	43 29.22	3,380	70 26 59.8	15,169	33
5360	Aries	8½	2 43 31.67	+3,232	79 30 48.1	-15,166	41

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5361	Aries	8½	2 43 34.39	+3.499	63 52 49.0	-15.164	199
5362	Aries	7	43 34.44	3.514	63 5 55.5	15.164	30
5363	Aries	8½	43 36.15	3.522	62 40 32.0	15.162	201
5364	Perseus	•	43 38.43	3.924	45 41 47.1	15.160	121
5365	Perseus	7	43 39.79	3.580	59 46 31.2	15.158	132
5366	Perseus	7½	43 39.84	3.580	59 46 37.4	15.158	125
5367	Eridanus	8	43 42.61	2.992	95 3 16.9	15.156	464
5368	Eridanus	8	43 43.26	2.992	95 4 21.9	15.155	391
5369	Cetus	8½	43 43.61	3.175	83 8 34.8	15.155	42
5370	Cetus	8	43 43.65	3.134	85 46 25.4	15.155	202
5371	Cetus	8½	43 43.67	3.175	83 8 32.6	15.155	45
5372	Aries ρ ¹	7½	43 43.90	3.336	73 5 12.4	15.154	194
5373	Aries ρ ¹	7½	43 44.33	3.336	73 5 9.0	15.154	193
5374	Eridanus	7	43 46.73	2.938	98 34 15.4	15.152	248
5375	Perseus	9	43 49.57	3.591	59 14 18.7	15.149	132
5376	Aries	8	43 50.36	3.498	63 56 17.1	15.149	200
5377	Fornax	7	43 54.21	2.588	118 47 11.8	15.145	561
5378	Aries	8	44 3.34	3.525	62 33 43.0	15.136	201
5379	Cassiopea	8½	44 5.40	4.619	29 31 29.7	15.134	372
5380	Aries	8	44 8.77	3.313	74 30 34.5	15.131	193
5381	Aries	9½	44 11.04	3.235	79 19 44.0	15.129	41
5382	Perseus	9	44 16.60	3.792	50 34 0.0	15.123	140
5383	Eridanus	7	44 18.34	2.698	112 54 58.2	15.122	563
5384	Eridanus	7½	44 18.50	2.698	112 54 54.4	15.121	392
5385	Aries	8½	44 22.98	3.485	64 43 43.2	15.117	200
5386	Perseus	9	44 25.39	3.763	51 45 13.3	15.115	122
5387	Eridanus	7	44 27.27	2.894	101 15 52.7	15.113	245
5388	Perseus	9	44 27.54	3.601	58 52 1.2	15.113	198
5389	Cassiopea	9	44 27.62	4.717	28 5 25.8	15.113	378
5390	Eridanus	6½	44 27.72	2.895	101 15 42.7	15.113	246
5391	Cassiopea	9	44 27.97	5.293	21 34 51.3	15.112	375
5392	Perseus	8	44 29.41	3.975	44 9 20.5	15.111	388
5393	Perseus	8	44 30.17	3.579	59 56 12.6	15.110	132
5394	Perseus	8	44 30.46	3.579	59 56 16.7	15.110	125
5395*	Eridanus	6½	44 30.99	2.693	113 11 50.9	15.110	392
5396	Perseus	9	44 31.41	3.911	46 17 23.8	15.109	121
5397	Cetus	7	44 33.87	3.056	90 52 16.0	15.107	49
5398	Perseus	9	44 34.46	3.911	46 17 31.8	15.106	121
5399	Eridanus	6	44 35.26	2.693	113 11 47.4	15.105	563
5400	Aries ρ ²	5	2 44 35.36	+3.347	72 29 19.5	-15.105	35

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5401	Aries ρ^2	6½	2 44 35,68	+3,347	72 29 17,7	-15,105	194
5402	Eridanus	8	44 35,74	2,884	101 54 43,6	15,105	245
5403	Cetus	8½	44 37,04	3,219	80 21 40,8	15,104	41
5404	Eridanus	7½	44 41,35	2,975	96 9 1,1	15,099	465
5405	Eridanus	7	44 41,39	2,975	96 9 4,7	15,099	307
5406	Cetus	8	44 43,63	3,111	87 20 1,9	15,097	47
5407	Perseus	8	44 49,79	4,419	33 8 56,4	15,091	368
5408	Perseus	8	44 50,18	4,419	33 9 3,7	15,091	371
5409	Cetus	7½	44 54,61	3,006	94 7 29,5	15,087	391
5410	Cetus	7	44 59,41	3,064	90 22 51,2	15,082	49
5411	Perseus	9	45 3,07	4,011	43 8 3,7	15,079	380
5412	Aries ρ^3	6	45 9,85	3,343	72 46 59,3	15,072	194
5413	Aries ρ^3	5	45 9,96	3,343	72 46 55,0	15,072	35
5414	Aries ρ^1	6½	45 10,10	3,343	72 46 58,9	15,072	193
5415	Perseus	4	45 10,29	3,602	58 52 53,0	15,072	30
5416	Perseus	5	45 11,26	3,602	58 52 48,8	15,071	125
5417	Perseus	6	45 11,27	3,602	58 52 48,3	15,071	198
5418	Cetus	8	45 11,50	3,088	88 48 0,7	15,071	47
5419	Perseus	9	45 14,82	3,765	51 45 48,5	15,067	122
5420	Perseus	9	45 21,70	3,687	55 4 19,7	15,061	129
5421	Eridanus	7	45 26,32	2,835	104 50 42,3	15,056	478
5422	Perseus	8½	45 29,17	4,303	35 37 24,1	15,053	373
5423	Cetus	8	45 31,40	3,153	84 38 35,7	15,051	45
5424	Cetus	7	45 33,07	3,187	82 25 54,3	15,050	42
5425	Aries	9	45 36,86	3,558	61 6 13,0	15,046	132
5426	Perseus	9½	45 38,92	4,357	34 29 56,6	15,044	371
5427	Eridanus	8	45 42,36	2,712	112 0 38,3	15,041	392
5428	Perseus	7½	45 43,93	3,882	47 26 53,6	15,039	4
5429	Cetus	8	45 44,03	3,215	80 41 21,6	15,039	41
5430	Aries	9½	45 46,35	3,557	61 9 1,1	15,037	132
5431	Eridanus	8	45 46,79	2,801	106 51 53,0	15,036	463
5432	Eridanus	9	45 46,92	2,801	106 51 48,1	15,036	250
5433	Aries	9½	45 51,39	3,560	61 1 54,0	15,032	132
5434	Cassiopea	9½	45 54,39	4,500	31 46 23,2	15,029	368
5435	Perseus	7½	45 57,15	3,596	59 17 53,4	15,027	135
5436	Perseus	9	45 57,92	3,621	58 5 5,6	15,026	198
5437	Perseus π	5	46 1,41	3,784	51 8 51,0	15,022	140
5438	Perseus π	4½	46 1,60	3,784	51 8 52,0	15,022	122
5439	Perseus	9	46 5,06	4,003	43 31 34,5	15,019	388
5440	Perseus	7½	2 46 9,64	+3,616	58 21 21,9	-15,015	198

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5441	Cetus	8	2 46 15,93	+3,216	80 38 53,8	-15,008	41
5442	Perseus	5	46 19,15	4,002	43 35 30,6	15,005	388
5443	Aries	8	46 21,30	3,316	74 31 1,0	15,003	193
5444	Eridanus	8	46 25,07	2,840	104 30 51,8	14,999	463
5445	Eridanus	9	46 33,41	2,800	106 52 21,2	14,991	250
5446	Eridanus	8	46 33,46	2,800	106 52 33,1	14,991	463
5447	Eridanus	9	46 33,66	2,800	106 52 16,8	14,991	478
5448	Eridanus	8	46 34,74	2,736	110 34 23,2	14,990	464
5449	Eridanus	5	46 36,72	2,999	94 31 30,8	14,988	391
5450	Perseus	9½	46 38,85	4,367	34 25 8,9	14,986	371
5451	Eridanus .. η	3	46 39,40	2,918	99 42 4,2	14,985	245
5452	Eridanus .. η	3	46 39,84	2,918	99 42 3,1	14,985	246
5453	Aries	6	46 39,87	3,391	70 8 33,5	14,985	33
5454	Eridanus .. η	4	46 40,43	2,918	99 42 6,2	14,984	307
5455	Perseus	7	46 42,23	4,189	38 27 12,5	14,983	43
5456	Aries	8	46 42,42	3,341	72 59 56,8	14,983	35
5457	Perseus	6	46 42,61	3,678	55 37 45,0	14,982	134
5458	Aries	8	46 42,85	3,341	72 59 55,1	14,982	194
5459	Perseus	9	46 43,73	4,190	38 27 12,6	14,981	43
5460	Cetus	8	46 44,14	3,114	87 8 1,1	14,981	47
5461	Perseus	6½	46 47,42	3,822	49 46 30,1	14,978	140
5462	Cassiopea	9½	46 51,40	4,540	31 10 41,0	14,974	368
5463	Cetus	8½	46 53,98	3,086	88 55 12,5	14,971	47
5464	Cetus	7	46 55,61	3,064	90 21 54,8	14,970	49
5465	Cetus	7	46 59,72	3,048	91 23 23,2	14,966	250
5466	Cetus	8	46 59,75	3,048	91 23 24,9	14,966	206
5467	Perseus	9	47 0,44	4,057	42 42 48,2	14,965	380
5468	Aries	7	47 0,77	3,454	66 40 38,5	14,965	310
5469	Perseus	9	47 3,17	4,028	42 55 20,4	14,963	380
5470	Eridanus	8	47 4,88	2,817	105 49 48,9	14,961	478
5471	Eridanus	8	47 5,06	2,817	105 49 40,7	14,961	250
5472	Perseus	8	47 5,94	3,881	47 40 58,4	14,960	4
5473	Perseus	9	47 9,48	3,683	55 28 40,0	14,956	134
5474	Aries	9	47 9,70	3,311	74 48 55,8	14,956	193
5475	Eridanus	8	47 15,28	2,861	103 11 19,8	14,951	245
5476	Eridanus	8½	47 16,12	2,846	104 3 22,8	14,950	463
5477	Aries	7	47 26,34	3,409	69 11 27,9	14,940	35
5478	Aries	9	47 26,71	3,340	73 7 54,5	14,940	194
5479	Aries	9	47 27,07	3,340	73 7 57,0	14,939	193
5480	Perseus	7	2 47 34,81	+3,751	52 40 27,9	-14,932	122

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5481	Perseus	6	2 47 34,96	+3,751	52 40 29,9	-14,932	129
5482	Aries	9	47 36,09	3,515	63 29 25,3	14,930	200
5483	Cetus	8	47 37,73	3,217	80 36 24,1	14,929	41
5484	Perseus	9	47 38,21	3,878	47 51 22,9	14,928	4
5485	Eridanus	9	47 38,23	2,804	106 32 15,0	14,928	478
5486	Aries ε	5	47 47,35	3,404	69 28 4,2	14,919	35
5487	Aries	8	47 47,65	3,273	77 12 2,1	14,919	39
5488	Aries ε	4½	47 48,24	3,404	69 28 8,8	14,919	33
5489	Perseus	8	47 52,24	3,582	60 11 58,6	14,915	132
5490	Cassiopea	7½	47 53,69	4,679	29 3 21,8	14,913	372
5491	Perseus	8	47 53,69	3,709	54 25 3,7	14,913	129
5492	Eridanus	8	47 53,71	3,020	93 8 53,3	14,913	250
5493	Eridanus	8	47 53,73	3,020	93 8 53,9	14,913	206
5494	Eridanus	8	47 54,27	3,020	93 8 55,2	14,913	391
5495	Perseus	8½	47 54,91	4,281	36 26 28,0	14,912	373
5496	Cassiopea	7	47 55,65	4,680	29 3 21,1	14,911	378
5497	Perseus	9	47 55,93	3,682	55 36 55,4	14,911	134
5498	Aries	8	48 3,14	3,516	63 30 22,5	14,904	200
5499	Eridanus	6	48 5,79	2,941	100 16 16,6	14,901	246
5500	Perseus	8½	48 6,22	3,811	50 23 15,9	14,901	140
5501	Perseus	8	48 12,15	3,592	59 40 43,3	14,895	135
5502	Perseus	7½	48 12,49	3,593	59 40 48,2	14,895	132
5503	Cassiopea	9	48 15,43	4,540	31 21 10,8	14,892	368
5504	Cassiopea	8	48 16,18	4,970	25 14 38,8	14,891	378
5505	Cassiopea	9	48 16,31	4,970	25 14 41,0	14,891	379
5506	Cetus	9	48 17,29	3,090	88 41 14,6	14,890	47
5507	Perseus	7½	48 19,68	3,821	50 0 27,7	14,888	140
5508	Perseus	9	48 24,80	3,582	60 14 11,8	14,883	135
5509	Perseus	8½	48 25,23	3,582	60 14 6,8	14,882	132
5510	Eridanus	6	48 29,97	2,658	114 40 17,6	14,878	563
5511	Cetus	8	48 30,94	3,218	80 35 48,5	14,877	41
5512	Aries	8½	48 31,00	3,477	65 33 37,6	14,877	310
5513	Cassiopea	7½	48 37,74	7,086	12 35 55,2	14,870	351
5514	Eridanus	6	48 37,81	3,013	93 35 17,5	14,870	307
5515	Eridanus	5½	48 38,05	3,013	93 35 18,4	14,870	391
5516	Eridanus	6	48 38,32	3,013	93 35 15,0	14,870	206
5517	Perseus	9	48 38,41	3,825	49 55 58,6	14,870	140
5518	Eridanus	6	48 38,60	2,865	102 48 50,5	14,869	245
5519	Eridanus	8	48 39,29	2,801	106 39 18,6	14,869	478
5520	Eridanus	8	2 48 40,91	+2,930	99 40 28,5	-14,867	246

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5521	Fornax	6	2 48 45.67	+2,537	120 39 52.0	-14,862	561
5522	Perseus	9	48 46.21	3,812	50 26 23.0	14,862	140
5523	Cetus	8	48 47.48	3,162	84 9 8.0	14,861	45
5524	Perseus	8	48 47.51	3,706	54 41 7.1	14,861	129
5525	Cassiopea	8	48 49.69	4,941	25 38 31.4	14,859	378
5526	Cassiopea	8	48 49.89	4,942	25 38 14.4	14,858	379
5527	Eridanus	8½	48 52.42	2,852	103 36 35.8	14,856	463
5528	Cetus	8½	48 59.43	3,077	89 33 42.8	14,849	49
5529	Cetus..... λ	4½	49 0.77	3,198	81 53 56.6	14,848	42
5530	Cassiopea	8	49 1.32	4,778	27 46 0.4	14,847	378
5531	Aries .....	.	49 5.20	3,434	67 58 35.8	14,843	35
5532	Eridanus	6	49 6.02	2,902	100 34 55.0	14,843	246
5533	Cassiopea	8½	49 6.95	4,970	25 19 49.5	14,842	379
5534	Cassiopea	8½	49 7.05	4,970	25 19 56.2	14,841	378
5535	Cetus	9	49 7.65	3,083	89 9 15.7	14,841	47
5536	Cetus	8	49 8.47	3,083	89 9 18.2	14,840	49
5537	Cetus	9	49 9.14	3,112	87 17 21.5	14,840	202
5538	Perseus	7½	49 11.19	3,775	51 55 25.7	14,837	122
5539	Eridanus	6	49 12.22	2,661	114 25 6.9	14,836	563
5540	Perseus	7½	49 18.33	3,624	58 23 19.4	14,830	135
5541	Aries	7	49 18.36	3,348	72 47 51.3	14,830	35
5542	Aries	7	49 18.44	3,348	72 47 50.3	14,830	194
5543	Perseus	7	49 19.19	4,012	43 41 13.0	14,830	388
5544	Cetus	8½	49 19.79	3,179	83 3 22.5	14,829	45
5545	Cassiopea	5½	49 31.28	4,447	33 12 25.0	14,818	371
5546	Eridanus	6	49 35.51	3,018	93 16 9.9	14,814	250
5547	Eridanus	6	49 35.63	3,018	93 16 11.7	14,813	307
5548	Eridanus	6	49 35.92	3,018	93 16 8.6	14,813	206
5549	Eridanus	5½	49 36.12	3,018	93 16 7.7	14,813	391
5550	Eridanus	6	49 46.50	2,943	97 58 59.8	14,803	248
5551	Aries	8	49 48.45	3,478	65 40 25.9	14,801	310
5552	Aries	7½	49 51.56	3,299	75 46 1.5	14,798	38
5553	Eridanus	8	49 52.50	2,886	101 29 12.8	14,797	245
5554	Aries	7	49 54.00	3,230	79 55 49.8	14,795	41
5555	Eridanus	9	49 54.84	2,907	100 13 14.8	14,794	246
5556	Cetus	7	49 56.07	3,028	92 36 38.5	14,793	250
5557	Cetus	8	49 56.66	3,028	92 36 34.3	14,793	206
5558	Cetus	8½	50 1.94	3,220	80 33 23.8	14,787	41
5559	Aries	6½	50 9.17	3,504	64 20 24.9	14,780	200
5560	Aries	8	2 50 14.04	+3,298	75 49 0.8	-14,773	38

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5561	Cassiopea	9	2 50 14,28	+4,772	27 58 53,1	-14,775	378
5562	Perseus	8	50 14,43	3,843	49 27 47,8	14,775	140
5563	Perseus	6½	50 18,32	4,042	42 56 58,5	14,771	388
5564	Perseus	7½	50 18,85	4,042	42 56 50,9	14,771	380
5565	Perseus γ	4	50 23,52	4,258	37 17 16,7	14,766	43
5566	Perseus γ	3½	50 23,63	4,258	37 17 20,9	14,766	373
5567	Eridanus	9	50 23,86	2,711	111 35 28,2	14,766	392
5568	Eridanus	8½	50 23,96	2,784	107 31 42,7	14,766	463
5569	Perseus	8½	50 27,42	3,850	49 14 13,6	14,762	140
5570	Eridanus	7	50 27,53	2,836	104 29 10,1	14,762	463
5571	Eridanus	8½	50 35,53	2,927	98 56 23,9	14,754	246
5572	Aries	7	50 36,07	3,508	64 10 51,8	14,754	200
5573	Perseus	8½	50 36,95	4,408	34 5 31,3	14,753	371
5574	Cassiopea	8	50 38,06	4,763	28 8 54,5	14,752	378
5575	Perseus	8	50 38,93	3,875	48 22 51,7	14,751	4
5576	Aries	8	50 39,71	3,448	67 22 12,5	14,750	310
5577	Eridanus	9	50 39,94	2,784	107 30 42,6	14,750	463
5578	Cassiopea	8½	50 43,18	5,430	21 0 50,3	17,747	375
5579	Cassiopea	6½	50 44,64	4,870	26 44 4,7	17,745	378
5580	Eridanus	8½	50 44,78	2,795	106 52 12,1	14,745	478
5581	Eridanus	6½	50 46,74	3,011	93 40 50,1	14,743	307
5582	Perseus	8	50 46,77	4,224	38 9 49,5	14,743	43
5583	Eridanus	6½	50 46,83	3,011	93 40 43,9	14,743	391
5584	Perseus	8½	50 49,45	3,925	46 40 58,7	14,740	121
5585	Aries	8½	50 55,82	3,428	68 25 23,0	14,734	35
5586	Perseus	8	51 1,75	3,721	54 20 44,4	14,729	129
5587	Eridanus	8	51 8,36	2,710	111 36 10,4	14,722	392
5588	Cetus	8	51 8,58	3,075	89 38 39,9	14,722	49
5589	Cassiopea	8½	51 13,34	4,454	33 16 59,7	14,717	371
5590	Eridanus	8½	51 13,66	2,897	100 44 56,1	14,717	246
5591	Eridanus .. ρ¹	5	51 20,75	2,934	98 27 32,5	14,710	248
5592	Cetus	7	51 21,12	3,142	85 27 55,4	14,709	202
5593	Cetus	6½	51 21,16	3,142	85 27 46,8	14,709	45
5594	Perseus	9	51 21,29	4,049	42 53 16,4	14,709	380
5595	Cassiopea	7	51 21,46	7,386	11 53 49,8	14,709	351
5596	Cetus	9	51 27,91	3,107	87 39 41,7	14,703	47
5597	Perseus	9	51 29,78	4,231	38 5 5,6	14,701	43
5598	Aries	8	51 34,74	3,415	69 13 52,6	14,696	33
5599	Aries	6	51 35,65	3,543	62 31 30,5	14,695	201
5600	Cassiopea	7	2 51 36,23	+4,449	33 25 4,0	-14,694	371

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5601	Perseus	•	2 51 36,56	+3,820	50 29 57,0	-14,694	140
5602	Cassiopea	8	51 38,27	4,516	32 11 18,4	14,692	368
5603	Perseus	9	51 38,71	3,589	60 16 53,7	14,692	135
5604	Perseus	9	51 38,74	3,589	60 16 48,7	14,692	132
5605	Aries	8	51 39,83	3,529	63 13 29,6	14,691	200
5606	Cetus	8½	51 40,23	3,042	91 43 0,9	14,690	250
5607	Aries	8	51 40,29	3,529	63 13 26,3	14,690	201
5608	Aries	9½	51 41,18	3,343	73 18 44,8	14,690	194
5609	Cetus	8	51 42,04	3,038	91 57 42,4	14,688	250
5610	Cassiopea	7	51 43,51	4,754	28 24 3,2	14,687	378
5611	Perseus	9	51 45,24	4,054	42 46 42,4	14,685	380
5612	Eridanus	7½	51 46,02	2,711	111 29 37,5	14,685	392
5613	Cetus α	2	51 50,34	3,122	86 42 17,1	14,680	202
5614	Cetus α	3	51 51,08	3,122	86 42 10,1	14,680	47
5615	Aries	7½	51 54,43	3,443	67 44 2,2	14,676	35
5616	Aries	8	51 55,01	3,234	79 46 51,2	14,676	41
5617	Cetus	7	51 55,10	3,126	86 26 39,7	14,676	47
5618	Cetus	6	51 55,12	3,126	86 26 41,6	14,675	202
5619	Eridanus	9	51 57,48	3,010	93 44 10,1	14,673	391
5620	Aries	8	52 4,52	3,549	62 17 0,3	14,666	201
5621	Eridanus	8	52 4,66	2,773	108 1 57,0	14,666	463
5622	Fornax	7	52 9,04	2,575	118 26 12,0	14,662	561
5623	Perseus	8	52 9,13	3,621	58 50 50,4	14,662	198
5624	Cetus	8	52 9,85	3,140	85 36 23,4	14,661	45
5625	Eridanus	6	52 15,30	2,896	100 45 25,4	14,655	246
5626	Eridanus	6½	52 16,27	2,953	97 17 1,9	14,654	307
5627	Eridanus	6	52 16,50	2,953	97 16 59,1	14,654	248
5628	Perseus	8	52 19,08	3,940	46 22 43,8	14,652	121
5629*	Cassiopea	7	52 20,82	4,436	33 45 56,7	14,650	371
5630	Perseus	8½	52 22,07	3,845	49 40 9,4	14,649	140
5631	Perseus β	4	52 24,60	3,785	51 56 40,4	14,646	122
5632	Aries	8½	52 27,51	3,233	79 52 8,5	14,643	41
5633	Perseus	7	52 27,69	3,831	50 12 29,8	14,643	140
5634	Perseus	8½	52 28,54	3,609	59 28 52,2	14,642	135
5635	Perseus	9	52 29,06	3,609	59 28 54,2	14,642	132
5636	Perseus	7½	52 33 78	3,920	47 5 15,9	14,637	4
5637	Perseus	9	52 35,17	3,945	46 14 41,7	14,635	121
5638	Fornax	6	52 36,28	2,565	118 51 53,9	14,635	561
5639	Cetus	8½	52 38,50	3,229	80 5 42,0	14,632	41
5640	Perseus	9	2 52 38,91	+3,936	46 33 34,0	-14,632	121

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5641	Cassiopea	8	2 52 39.49	+4,899	26° 33' 59.4	-14,631	378
5642	Fornax	8½	52 41.94	2,577	118 17 33.3	14,629	561
5643	Perseus	8	52 46.53	3,984	45 2 5.0	"14,624	388
5644	Aries	7½	52 48.06	3,415	69 19 7.3	14,623	33
5645	Perseus	8½	52 48.93	3,603	59 45 10.6	14,622	135
5646	Perseus	8½	52 48.97	3,604	59 45 2.5	14,622	132
5647	Eridanus	7½	52 50.91	2,754	108 59 56.2	14,620	463
5648	Eridanus	8	52 51.47	2,754	109 0 8.2	14,620	464
5649	Cetus	8	52 52.94	3,079	89 25 27.9	14,618	49
5650	Eridanus	8	52 53.18	3,009	93 47 26.5	14,617	391
5651	Eridanus .. ρ²	5	52 53.89	2,933	98 28 47.0	14,617	248
5652	Cetus	7½	52 53.89	3,024	92 52 48.7	14,617	250
5653	Eridanus .. ρ²	5	52 54.07	2,933	98 28 49.5	14,617	307
5654	Cetus	8½	52 54.17	3,023	92 52 53.7	14,616	206
5655	Cetus	7	52 54.89	3,157	84 33 49.0	14,616	45
5656	Aries	9	52 55.61	3,570	61 21 9.6	14,615	201
5657	Eridanus	8	52 59.90	2,836	104 19 36.6	14,611	463
5658	Perseus	7½	53 1.38	3,736	53 59 22.5	14,609	129
5659	Eridanus	8½	53 9.56	2,805	106 4 12.7	14,601	478
5660	Perseus	8½	53 11.66	3,627	58 41 24.7	14,599	198
5661	Cetus	7	53 14.39	3,155	84 39 40.3	14,596	45
5662	Aries	8	53 18.31	3,573	61 14 42.5	14,593	201
5663	Perseus	8	53 21.19	3,987	45 1 14.3	14,590	388
5664	Perseus	9	53 25.48	4,373	35 9 5.1	14,585	373
5665	Perseus	9	53 29.69	4,220	38 36 1.8	14,581	43
5666	Cassiopea	7½	53 30.71	4,515	32 25 56.7	14,580	368
5667	Perseus	8½	53 31.35	3,601	59 58 18.9	14,579	135
5668	Perseus	9	53 31.60	3,601	59 58 19.9	14,579	132
5669	Perseus	8½	53 31.97	3,757	53 11 41.9	14,579	129
5670	Perseus	7½	53 33.68	3,627	58 45 18.9	14,577	198
5671	Aries	7	53 34.15	3,317	74 55 41.5	14,577	193
5672	Eridanus	4	53 34.75	2,653	114 24 59.0	14,576	563
5673	Eridanus	•	53 35.11	2,653	114 24 54.9	14,576	560
5674	Perseus	•	53 38.63	3,672	56 46 37.7	14,572	134
5675	Perseus	8½	53 39.24	3,595	60 15 40.2	14,571	135
5676	Perseus	9	53 39.59	3,595	60 15 41.3	14,571	132
5677*	Aries	7	53 39.82	3,317	74 55 43.5	14,571	38
5678	Aries	6	53 44.64	3,488	65 31 59.2	14,566	310
5679	Aries	6	53 44.88	3,488	65 31 56.1	14,566	200
5680	Perseus	•	2 53 47.42	+3,667	57 0 55.0	-14,563	134

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5681	Perseus	7½	2 53 47.79	+4.223	38 34 6.8	-14.563	43
5682	Perseus	9	53 51.71	3.784	52 11 1.0	14.559	122
5683	Eridanus	7½	53 55.27	2.881	101 35 36.2	14.555	245
5684	Eridanus	8	53 57.24	2.687	112 38 17.1	14.553	392
5685	Cassiopea	8	53 57.73	4.541	32 1 27.4	14.553	368
5686	Cassiopea ...	9	54 3.40	6.100	16 54 14.0	14.547	370
5687	Aries	8	54 4.55	3.407	69 53 4.4	14.546	33
5688	Perseus	8½	54 5.07	3.675	56 40 17.8	14.546	134
5689	Cassiopea	7	54 6.84	4.968	25 52 54.3	14.544	379
5690	Perseus	7	54 9.56	4.041	43 28 34.7	14.541	388
5691	Perseus	8	54 13.19	3.664	57 9 40.2	14.538	198
5692	Eridanus	8	54 13.27	2.987	95 6 52.3	14.537	391
5693	Cetus	9	54 13.51	3.232	79 59 52.4	14.537	41
5694	Cetus	7	54 18.32	3.087	88 55 31.0	14.532	47
5695	Cetus	6	54 18.98	3.087	88 55 34.5	14.532	49
5696*	Aries	8	54 19.19	3.317	74 59 21.8	14.531	38
5697	Aries	9	54 22.62	3.493	65 21 16.2	14.528	310
5698	Eridanus	8	54 27.31	2.919	99 15 11.0	14.523	246
5699	Eridanus .. ρ ³	4½	54 27.55	2.934	98 23 27.0	14.523	248
5700	Eridanus .. ρ ³	4	54 27.95	2.934	98 23 27.6	14.522	307
5701	Aries	9	54 32.13	3.359	72 36 17.3	14.518	194
5702	Perseus	9	54 39.80	3.600	60 7 42.4	14.511	135
5703	Perseus	9½	54 40.33	3.600	60 7 42.4	14.510	132
5704	Perseus	8½	54 41.25	3.766	52 58 16.0	14.509	122
5705	Perseus	4	54 41.47	4.126	41 9 46.5	14.509	380
5706	Eridanus	8	54 44.83	2.694	112 8 54.6	14.506	392
5707	Perseus	7½	54 45.94	3.597	60 15 14.5	14.504	132
5708	Eridanus	8½	54 46.00	2.760	108 31 34.5	14.504	463
5709	Perseus	7½	54 46.15	3.597	60 15 17.5	14.504	135
5710	Cetus	9	54 56.95	3.088	88 53 20.1	14.494	47
5711	Perseus .....	.	54 57.95	3.945	46 34 10.6	14.492	121
5712	Perseus	8	55 1.01	3.738	54 9 8.2	14.489	129
5713	Cetus	8½	55 4.88	3.154	84 40 3.9	14.486	45
5714	Cassiopea	8½	55 6.41	4.993	25 41 25.5	14.484	379
5715	Cassiopea	9	55 6.48	4.684	29 49 15.8	14.484	372
5716	Perseus	8	55 9.41	3.869	49 11 41.6	14.481	4
5717	Perseus β	2½	55 12.30	3.851	49 49 31.3	14.478	140
5718	Perseus β	2½	55 13.15	3.851	49 49 35.1	14.477	129
5719	Eridanus	9	55 16.76	2.857	102 57 14.5	14.473	245
5720	Aries	8	2 55 17.63	+3.569	61 39 32.3	-14.472	201

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5721	Aries	8	2 55 24.58	+3,248	79 7 32.4	-14,465	41
5722	Eridanus	6	55 24.66	2,922	99 3 40.4	14,465	246
5723	Eridanus	8	55 25.19	2,922	99 3 38.5	14,465	248
5724	Aries	6	55 26.07	3,273	77 35 33.2	14,464	38
5725	Aries	6½	55 26.21	3,273	77 35 34.4	14,464	39
5726	Cassiopea	5	55 27.25	7,077	13 1 18.7	14,463	351
5727	Cassiopea	8½	55 34.34	5,337	22 14 35.8	14,456	375
5728	Eridanus	9	55 36.06	2,691	112 11 41.2	14,454	392
5729	Eridanus	8	55 39.97	2,818	105 11 12.9	14,450	478
5730	Eridanus	8	55 40.08	2,818	105 11 14.6	14,450	465
5731	Eridanus	8	55 40.30	2,818	105 11 13.9	14,449	463
5732	Cetus	8½	55 40.39	3,076	89 34 40.2	14,449	49
5733	Cassiopea	8	55 40.81	4,667	30 8 18.5	14,449	372
5734	Cetus	8	55 56.39	3,119	86 58 22.7	14,433	202
5735	Perseus	9	55 59.60	3,784	52 25 18.8	14,430	122
5736	Cetus	9	56 1.36	3,148	85 9 23.1	14,428	45
5737	Perseus x	4½	56 4.27	3,970	45 54 42.3	14,425	121
5738	Eridanus	7½	56 4.95	2,734	109 51 50.3	14,425	560
5739	Perseus	8½	56 4.99	3,864	49 29 0.3	14,425	140
5740	Cassiopea	8	56 8.26	4,508	32 52 18.5	14,421	368
5741	Perseus	8½	56 10.88	3,752	53 43 56.1	14,418	129
5742	Aries	6	56 11.13	3,356	72 54 9.7	14,418	35
5743	Aries	6½	56 11.44	3,356	72 54 2.1	14,418	194
5744	Aries	6	56 11.50	3,356	72 54 3.8	14,418	193
5745	Eridanus	7	56 15.00	2,778	107 23 24.4	14,415	463
5746	Aries	8	56 15.03	3,463	67 5 20.1	14,414	310
5747	Eridanus	8	56 15.10	2,778	107 23 20.6	14,414	250
5748	Eridanus	7	56 15.34	2,778	107 23 25.3	14,414	478
5749	Eridanus	8	56 15.63	2,734	109 51 45.0	14,414	464
5750	Perseus	8	56 16.65	3,689	55 19 8.1	14,413	134
5751	Cetus	9	56 17.35	3,149	85 7 39.0	14,412	45
5752	Cetus	9	56 18.96	3,091	88 41 57.3	14,411	47
5753	Perseus	9	56 29.65	3,788	52 19 52.8	14,400	122
5754	Cassiopea	7	56 29.82	4,526	32 35 32.4	14,399	368
5755	Perseus	8	56 32.89	4,278	37 37 40.9	14,396	43
5756	Eridanus	8	56 35.93	2,834	104 13 12.4	14,393	465
5757	Eridanus	7½	56 36.11	2,834	104 13 4.6	14,393	463
5758	Eridanus	8½	56 40.02	2,918	99 14 22.4	14,389	246
5759	Eridanus	5½	56 40.22	2,957	96 52 11.5	14,389	307
5760	Eridanus	5½	2 56 40.41	+2,957	96 52 13.7	-14,389	248

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5761	Aries	8	2 56 40,82	+3,516	64 23 57,4	-14,388	200
5762	Eridanus	8	56 43,64	2,916	99 22 0,9	14,385	246
5763	Cetus	9	56 45,14	3,139	85 45 40,6	14,384	202
5764	Eridanus	9	56 46,07	2,900	100 19 8,8	14,383	246
5765	Eridanus	9	56 47,27	2,837	104 2 19,5	14,382	465
5766	Eridanus	9	56 47,75	2,837	104 2 18,8	14,381	463
5767	Perseus .....	.	56 49,06	3,856	49 50 27,8	14,380	140
5768	Perseus	7½	56 50,63	3,760	53 28 22,0	14,378	129
5769	Perseus	7½	56 50,86	4,007	44 50 7,6	14,378	388
5770	Eridanus	6½	56 53,84	2,888	101 1 59,3	14,375	245
5771	Aries	8½	56 54,42	3,339	73 52 9,6	14,375	193
5772	Aries	8	56 54,89	3,341	73 45 1,5	14,374	193
5773	Aries	7	57 2,25	3,373	71 58 54,9	14,366	194
5774	Aries	7	57 2,39	3,373	71 58 52,7	14,366	35
5775	Cetus	8½	57 3,01	3,220	80 51 16,8	14,366	41
5776	Cetus	6½	57 5,70	3,028	92 34 54,8	14,363	250
5777	Aries	7½	57 7,56	3,497	65 24 11,6	14,361	310
5778	Eridanus	8	57 12,86	2,835	104 5 53,1	14,356	463
5779	Eridanus	8	57 12,89	2,835	104 5 54,8	14,356	465
5780	Aries	9	57 14,60	3,275	77 36 32,1	14,354	39
5781	Perseus	8	57 21,45	3,789	52 25 42,2	14,347	122
5782	Cetus	8	57 21,86	3,080	89 22 19,4	14,347	49
5783	Eridanus	8	57 22,87	2,969	96 9 47,4	14,345	307
5784	Cetus	9	57 24,09	3,113	87 21 57,2	14,344	47
5785	Eridanus	8	57 24,47	2,761	108 15 14,1	14,344	463
5786	Perseus	8½	57 33,12	4,425	34 37 8,9	14,335	371
5787*	Cetus	9	57 33,81	3,030	92 25 36,6	14,334	250
5788	Cetus	8	57 36,06	3,235	79 58 40,5	14,332	41
5789	Aries	5½	57 36,63	3,574	61 41 48,9	14,332	201
5790	Aries	6½	57 36,64	3,574	61 41 42,7	14,332	132
5791	Aries	9	57 37,71	3,313	75 25 51,6	14,330	38
5792	Perseus	9	57 38,07	3,599	60 31 24,5	14,330	135
5793	Eridanus	8½	57 38,70	2,737	109 33 20,2	14,329	560
5794	Cassiopea	9½	57 46,16	5,455	21 25 48,0	14,322	375
5795	Perseus	9	57 46,99	3,719	55 16 43,5	14,321	134
5796	Cetus	8	57 48,75	3,167	84 3 10,9	14,319	45
5797	Cetus	7½	57 49,34	3,182	83 7 54,6	14,318	42
5798	Cetus	9	57 49,45	3,182	83 7 48,5	14,318	45
5799	Eridanus	7	57 52,35	2,827	104 31 30,2	14,315	463
5800	Cetus	7	2 57 57,42	+3,196	82 18 35,3	-14,310	42

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5801	Aries	8	2 58 3,87	+3,270	77 54 54,8	-14,304	39
5802	Perseus	9	58 12,93	4,275	37 53 8,6	14,294	43
5803	Aries	7½	58 13,25	3,386	71 23 35,3	14,294	35
5804	Aries	9	58 13,36	3,587	61 6 22,3	14,294	132
5805	Aries	6	58 13,48	3,386	71 23 31,1	14,294	33
5806	Aries	9	58 13,51	3,587	61 6 20,7	14,294	135
5807	Aries	7½	58 13,98	3,386	71 23 29,2	14,293	194
5808	Aries	7	58 14,00	3,548	62 57 2,0	14,293	200
5809	Aries	7	58 14,01	3,549	62 57 6,5	14,293	201
5810	Eridanus	8½	58 15,58	2,701	111 25 28,6	14,292	558
5811	Perseus	9	58 15,72	3,708	55 46 5,1	14,291	134
5812	Perseus	8	58 23,10	4,246	38 36 20,2	14,284	43
5813	Perseus	•	58 23,18	3,869	49 35 11,1	14,284	140
5814	Cassiopea	7	58 24,09	4,620	31 12 7,7	14,283	368
5815	Cassiopea	8	58 24,30	4,760	29 3 0,9	14,283	378
5816	Perseus	7	58 24,96	4,021	44 38 26,1	14,282	388
5817	Cassiopea	8½	58 25,21	4,620	31 12 7,8	14,282	372
5818	Eridanus	7	58 25,40	2,826	104 31 33,8	14,281	465
5819	Perseus ω	5½	58 25,69	3,826	51 9 32,3	14,281	140
5820	Aries	8	58 26,15	3,486	66 6 37,4	14,281	310
5821	Aries	9	58 26,52	3,341	73 52 2,0	14,280	193
5822	Aries	8	58 26,83	3,498	65 29 23,8	14,280	310
5823	Aries	8	58 27,30	3,348	73 30 32,4	14,280	193
5824	Eridanus	8	58 27,37	2,856	102 49 15,4	14,279	463
5825	Perseus	8	58 27,42	3,985	45 45 8,7	14,279	121
5826	Cetus	8½	58 32,44	3,180	83 18 46,1	14,274	45
5827	Cetus	8	58 32,60	3,180	83 18 50,0	14,274	42
5828	Cetus	8½	58 33,61	3,179	83 20 5,0	14,273	42
5829	Cetus	8½	58 33,93	3,179	83 20 3,1	14,273	45
5830	Aries	7	58 35,85	3,430	69 1 20,2	14,271	35
5831	Aries	6½	58 35,88	3,531	63 52 45,2	14,271	200
5832	Aries	7	58 35,92	3,430	69 1 25,6	14,271	33
5833	Perseus	7	58 37,00	4,030	44 22 52,8	14,270	388
5834	Perseus	8	58 39,66	3,786	52 41 57,7	14,267	122
5835	Perseus	9	58 41,03	4,294	37 31 46,4	14,265	43
5836	Cetus	9	58 41,38	3,075	89 39 26,5	14,265	49
5837	Perseus	8½	58 43,20	3,788	52 37 31,6	14,263	122
5838	Cassiopea	9	58 44,01	5,011	25 51 2,4	14,262	379
5839	Cassiopea	8	58 50,12	5,146	24 22 44,0	14,256	379
5840	Aries	9½	2 58 50,42	+3,287	77 0 6,3	-14,256	38

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5841	Cetus	8½	2 58 50,56	+3,110	87 31 51,0	-14,256	47
5842	Cassiopea	8½	58 50,97	5,483	21 17 59,1	14,255	375
5843	Perseus	9	58 53,03	3,712	55 40 58,2	14,253	134
5844	Perseus	5	59 0,42	3,906	48 23 29,2	14,246	4
5845	Perseus	7½	59 2,82	3,775	53 11 2,3	14,243	129
5846	Eridanus	8	59 3,50	2,725	110 4 43,3	14,242	560
5847	Cetus	8	59 4,94	3,143	85 34 1,7	14,241	202
5848	Aries	8	59 6,13	3,341	73 57 22,2	14,240	193
5849	Aries	7	59 9,69	3,434	68 52 24,4	14,236	36
5850	Aries	7	59 9,97	3,434	68 52 23,6	14,236	33
5851	Perseus	8½	59 11,38	4,125	41 45 20,9	14,234	380
5852	Eridanus	9	59 14,24	2,704	111 11 31,4	14,231	558
5853	Perseus	9½	59 18,03	3,881	49 16 27,0	14,228	140
5854	Pornax	6	59 18,44	2,556	118 36 22,7	14,227	561
5855	Aries	8½	59 24,24	3,376	72 1 22,7	14,221	194
5856	Perseus	9	59 30,04	4,236	38 58 39,9	14,215	43
5857	Perseus	8	59 30,25	3,767	53 32 53,8	14,215	129
5858	Cetus	9	59 31,71	3,218	81 4 28,0	14,213	41
5859	Cetus	8½	59 32,54	3,107	87 42 20,5	14,213	47
5860	Cetus	8	59 32,93	3,081	89 17 7,0	14,212	49
5861	Perseus	6	59 34,49	4,097	42 35 16,0	14,211	380
5862	Perseus	8½	59 37,32	3,881	49 19 31,1	14,208	140
5863	Aries	9	59 39,50	3,532	63 55 18,5	14,205	200
5864	Perseus	9	59 40,04	3,762	53 46 1,0	14,205	129
5865	Aries	7	59 44,76	3,255	78 53 38,8	14,200	39
5866	Eridanus	7	59 46,54	2,731	109 44 36,7	14,198	560
5867	Aries	8	59 46,92	3,440	68 35 50,1	14,198	36
5868	Aries	7	59 47,58	3,440	68 35 49,4	14,197	33
5869	Cassiopea	9	59 49,50	6,150	17 3 13,7	14,195	370
5870	Perseus	8	59 50,30	4,149	41 11 34,9	14,194	380
5871	Perseus	9	59 51,08	3,766	53 36 53,0	14,194	129
5872	Aries	8½	59 53,34	3,595	60 55 52,6	14,191	132
5873	Aries	8½	59 53,63	3,595	60 55 59,5	14,190	135
5874	Perseus	9	59 54,50	3,713	55 46 18,6	14,190	134
5875	Cetus	9½	2 59 57,66	3,127	86 30 40,7	14,187	202
5876	Perseus	•	3 0 0,46	4,051	43 57 8,0	14,184	388
5877	Cetus	8	0 1,44	3,223	80 45 42,5	14,183	41
5878	Cassiopea	8½	0 6,31	5,041	25 38 18,7	14,177	379
5879	Eridanus	9	0 6,35	2,968	96 7 29,8	14,177	307
5880	Cassiopea	7½	3 0 10,25	+5,090	25 5 54,4	-14,174	379

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5881	Cetus	7	3	10	46	+3,029	92	27	51,1	-14,173	250
5882	Aries	8½		11	15	3,595	60	56	31,7	14,173	132
5883	Aries	9		11	47	3,596	60	56	28,6	14,172	135
5884	Aries δ	4½		12	49	3,395	71	2	22,1	14,171	35
5885	Aries δ	4		13	10	3,395	71	2	21,2	14,171	194
5886	Perseus	8		15	14	3,722	55	25	54,4	14,169	134
5887	Perseus	8½		15	63	3,770	53	29	25,0	14,168	129
5888	Perseus	8		17	04	3,815	51	47	25,2	14,167	122
5889	Aries	6		21	01	3,542	63	30	25,4	14,162	200
5890	Aries	6		21	14	3,542	63	30	21,5	14,162	201
5891	Cetus	7½		22	27	3,061	90	33	10,9	14,161	49
5892	Aries	8		22	32	3,506	65	14	48,9	14,161	310
5893	Aries .....	.		23	85	3,276	77	43	11,2	14,160	39
5894	Perseus	9		28	51	3,715	55	44	58,6	14,155	134
5895	Cetus	8½		32	72	3,171	83	53	47,7	14,151	45
5896	Camelopardus .	6		33	92	4,495	33	37	3,7	14,149	368
5897	Cetus	7½		34	45	3,095	88	27	0,2	14,148	47
5898	Perseus	8½		34	54	3,816	51	47	42,2	14,148	122
5899*	Camelopardus .	6½		34	84	4,495	33	37	7,3	14,148	371
5900	Eridanus	7½		37	94	2,576	117	29	21,0	14,145	561
5901	Eridanus	8		42	16	2,967	96	9	44,0	14,141	307
5902	Perseus	8		43	66	3,821	51	36	48,2	14,139	122
5903	Perseus	9		46	65	3,619	59	54	37,9	14,136	135
5904	Aries	8		46	91	3,331	74	35	53,7	14,136	193
5905	Aries	9½		50	03	3,455	67	53	7,4	14,133	36
5906	Eridanus	8		51	40	2,948	97	17	35,3	14,131	307
5907	Eridanus	8½		51	45	2,948	97	17	34,0	14,131	248
5908	Eridanus	9		55	70	2,947	97	20	30,2	14,127	248
5909	Eridanus	9		56	40	2,947	97	20	25,5	14,126	307
5910	Perseus	9		58	34	3,887	49	17	28,5	14,124	140
5911	Perseus .....	.		59	42	3,929	47	51	24,4	14,123	4
5912	Perseus	7½	1	0	50	3,625	59	41	31,7	14,121	132
5913	Cetus	9½	1	0	88	3,192	82	38	49,9	14,121	42
5914	Cetus	8	1	5	36	3,135	86	2	33,1	14,117	202
5915	Perseus	9	1	6	69	3,851	50	33	30,5	14,115	140
5916	Cassiopea	8	1	6	84	5,543	21	1	8,9	14,115	375
5917	Perseus	8½	1	7	24	4,067	43	36	12,9	14,115	388
5918	Perseus	8	1	11	18	3,849	50	38	29,6	14,110	140
5919	Eridanus	8	1	12	79	2,719	110	13	36,5	14,109	560
5920	Aries	9	3	1	12,83	+3,382	71	48	59,6	-14,109	194

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5921	Aries	7½	3 1 14.15	+3,338	74 14 45.4	-14,107	193
5922	Eridanus	7½	1 14.72	2,870	101 53 4.2	14,107	245
5923	Eridanus	8	1 15.02	2,812	105 10 45.3	14,107	478
5924	Eridanus	7½	1 15.16	2,813	105 4 51.6	14,107	465
5925	Eridanus	6	1 18.62	2,994	94 34 25.6	14,103	391
5926	Eridanus	9	1 21.95	2,793	106 12 4.0	14,099	478
5927	Cetus	6½	1 29.15	3,049	91 15 22.7	14,092	250
5928	Perseus	7½	1 32.03	3,626	59 41 34.8	14,089	135
5929	Aries	8½	1 32.03	3,526	64 22 6.4	14,089	200
5930	Camelopardus .	9	1 34.74	5,043	25 45 34.6	14,086	379
5931	Eridanus	6	1 37.57	2,832	104 1 50.9	14,083	465
5932	Eridanus	7½	1 38.97	2,706	110 52 48.5	14,082	560
5933	Perseus	6	1 43.71	3,920	48 15 21.2	14,077	4
5934	Aries	9	1 46.61	3,350	73 37 41.4	14,074	193
5935	Eridanus	6½	1 47.04	2,635	114 30 24.2	14,073	563
5936	Cetus	7½	1 48.58	3,059	90 39 22.6	14,072	49
5937	Cetus	6	1 50.39	3,168	84 6 6.4	14,070	45
5938*	Cetus	8½	1 52.79	3,201	82 10 4.4	14,067	42
5939	Cetus	8	1 56.75	3,053	91 0 23.3	14,064	49
5940	Cetus	7½	1 56.91	3,053	91 0 28.3	14,063	250
5941	Eridanus	6	2 0.21	2,782	106 47 19.4	14,060	478
5942	Cetus	8½	2 3.19	3,244	79 37 30.5	14,057	41
5943	Eridanus	7½	2 4.31	2,827	104 17 1.1	14,055	465
5944	Eridanus	9	2 6.70	2,943	97 33 41.2	14,053	248
5945	Cetus	8½	2 11.06	3,247	79 29 28.4	14,048	41
5946	Cetus	9	2 25.96	3,102	88 3 50.2	14,033	47
5947	Eridanus	8	2 26.20	3,007	93 45 27.5	14,033	391
5948	Cassiopea	8½	2 26.21	5,401	22 17 14.9	14,033	375
5949	Eridanus	8	2 27.11	2,771	107 20 17.9	14,032	463
5950	Perseus	8	2 31.46	3,777	53 29 16.6	14,027	129
5951	Perseus	5½	2 33.05	4,012	45 24 27.9	14,026	389
5952	Perseus	7	2 33.44	4,012	45 24 29.3	14,025	121
5953	Aries	7	2 33.46	3,384	71 47 8.4	14,025	35
5954	Camelopardus .	5½	2 33.63	5,111	25 5 37.5	14,025	379
5955	Camelopardus .	5½	2 33.91	5,111	25 5 37.3	14,025	379
5956	Aries	7	2 34.48	3,384	71 47 2.0	14,024	195
5957	Cassiopea	9	2 37.36	5,330	22 58 59.8	14,021	375
5958	Perseus	7½	2 38.92	3,758	54 16 50.3	14,019	129
5959	Eridanus	9	2 39.80	3,012	93 27 54.8	14,018	391
5960	Eridanus	8½	3 2 40.13	+3,008	93 39 55.4	-14,018	391

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5961	Aries	7	3 2 40,30	+3,460	67 48 9,6	-14,018	31
5962	Aries	7	2 40,70	3,460	67 48 11,0	14,018	36
5963	Eridanus	9	2 42,51	2,813	105 0 11,5	14,016	465
5964	Cetus	9	2 43,62	3,051	91 8 37,8	14,015	250
5965	Perseus	9	2 46,48	3,622	59 59 22,4	14,011	132
5966	Perseus	9	2 46,93	3,622	59 59 28,4	14,011	135
5967	Aries	9	2 47,11	3,372	72 26 26,0	14,011	195
5968	Perseus	8	2 52,31	3,811	52 14 15,4	14,005	122
5969	Eridanus	9	2 53,29	2,971	95 53 21,6	14,004	307
5970	Aries	10	2 57,12	3,373	72 24 55,0	14,000	195
5971	Eridanus	8	2 59,04	2,780	106 48 59,6	13,998	478
5972	Aries	7½	3 0,18	3,323	75 9 55,0	13,997	38
5973	Aries	7½	3 0,55	3,323	75 9 55,5	13,997	193
5974	Eridanus	8	3 2,03	2,691	111 33 15,3	13,995	558
5975	Perseus	9	3 8,00	3,764	54 4 9,3	13,989	129
5976	Aries	8½	3 8,67	3,586	61 42 17,2	13,988	201
5977	Perseus	6	3 11,46	3,619	60 11 52,7	13,985	132
5978	Perseus	6	3 11,99	3,619	60 11 51,7	13,985	135
5979	Eridanus	6½	3 15,76	2,694	111 22 56,4	13,981	558
5980	Eridanus	7	3 15,89	2,694	111 22 55,2	13,981	560
5981	Eridanus	8½	3 19,66	2,781	106 44 19,1	13,977	478
5982	Eridanus	7	3 24,79	2,517	119 55 9,3	13,971	561
5983	Aries ..... [	5	3 25,75	3,425	69 42 20,3	13,971	33
5984	Perseus	6½	3 32,35	3,716	56 3 42,7	13,963	134
5985	Perseus	8	3 32,77	3,724	55 42 19,4	13,963	134
5986	Eridanus	3	3 34,58	2,520	119 46 58,8	13,961	561
5987	Perseus	9	3 34,78	3,764	54 8 28,5	13,961	129
5988	Aries	8	3 41,16	3,541	63 50 53,0	13,954	200
5989	Perseus	7½	3 41,72	3,817	52 6 49,5	13,954	122
5990	Cetus	8	3 46,00	3,069	90 0 59,0	13,949	49
5991	Eridanus	8½	3 54,16	2,981	95 15 49,8	13,941	391
5992	Perseus	8	3 54,93	4,073	43 48 4,5	13,940	389
5993	Aries	9	3 55,00	3,337	74 26 41,2	13,940	193
5994	Aries	8½	3 55,93	3,494	66 12 29,0	13,939	195
5995	Aries	9	3 55,98	3,336	74 29 45,3	13,939	193
5996	Eridanus	7	3 56,98	2,705	110 47 19,0	13,938	560
5997	Eridanus	8½	3 57,70	2,750	108 23 8,8	13,937	463
5998	Eridanus	7½	4 3,42	2,944	97 24 48,3	13,931	307
5999	Eridanus	8	4 3,94	2,945	97 24 40,1	13,930	248
6000	Perseus	8½	3 4 8,27	+3,981	46 33 48,9	-13,926	121

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6001	Perseus	7½	3 4 9.89	+3,870	50 15 48.1	-13,924	140
6002	Eridanus	7½	4 11.27	2,823	104 23 50.8	13,923	465
6003	Aries	8½	4 15.26	3,302	76 26 48.3	13,918	206
6004	Aries	8½	4 15.62	3,428	69 35 14.3	13,918	33
6005	Aries	9	4 15.78	3,302	76 26 50.4	13,918	38
6006	Eridanus	8	4 15.96	2,912	99 19 29.6	13,918	246
6007	Perseus	8	4 19.61	3,935	48 4 22.2	13,914	4
6008	Perseus	5½	4 23.02	3,977	46 43 21.2	13,911	121
6009	Eridanus	9	4 25.96	2,760	107 47 24.0	13,907	463
6010	Eridanus	7	4 30.58	3,018	93 5 12.5	13,903	250
6011	Camelopardus .	9	4 38.76	5,083	25 36 14.9	13,894	379
6012	Cassiopea	9	4 41.33	6,125	17 31 27.5	13,891	370
6013	Aries .....	.	4 41.69	3,529	64 32 28.3	13,891	200
6014	Perseus	8	4 42.26	3,760	54 23 32.0	13,890	129
6015	Cetus	9½	4 43.35	3,072	89 51 0.0	13,889	49
6016	Aries	9	4 48.47	3,515	65 15 10.3	13,884	200
6017	Perseus	6½	4 50.77	3,839	51 27 49.3	13,881	140
6018	Eridanus	7	4 50.89	2,943	97 27 21.5	13,881	307
6019	Eridanus	7½	4 50.98	2,943	97 27 14.5	13,881	248
6020	Perseus	8	4 51.06	3,821	52 6 16.8	13,881	122
6021	Camelopardus .	9	4 51.14	5,100	25 25 33.7	13,881	379
6022	Perseus	8½	4 51.35	4,074	43 51 22.8	13,881	389
6023	Perseus	9	4 54.37	4,079	43 43 13.8	13,877	389
6024	Camelopardus .	8	4 55.24	4,830	28 44 58.6	13,876	378
6025	Aries	8	5 1.79	3,584	61 59 18.9	13,869	201
6026	Perseus	7½	5 3.62	4,002	46 1 28.6	13,868	121
6027	Aries .....	.	5 6.25	3,255	79 7 15.2	13,865	39
6028	Cetus	9	5 10.22	3,037	91 55 45.0	13,861	250
6029	Perseus	9	5 11.99	3,630	59 53 49.1	13,859	135
6030	Aries	8	5 13.33	3,517	65 9 44.2	13,857	200
6031	Eridanus	9	5 18.37	3,020	92 55 32.2	13,852	250
6032	Aries	7½	5 19.40	3,468	67 36 59.3	13,851	31
6033	Aries	7½	5 19.97	3,468	67 37 2.8	13,850	36
6034*	Perseus	8½	5 21.27	4,441	35 12 27.6	13,849	373
6035	Perseus	8	5 21.58	4,441	35 12 23.3	13,849	371
6036	Aries	9½	5 23.75	3,295	76 53 41.2	13,847	206
6037	Eridanus	7½	5 27.32	2,807	105 11 37.7	13,843	478
6038	Camelopardus .	8½	5 27.56	4,890	27 59 42.2	13,842	378
6039	Camelopardus .	9	5 27.95	5,095	25 32 19.2	13,842	379
6040	Perseus	7	3 5 29.28	+3,637	59 36 52.8	-13,841	132

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6041	Perseus	7	3 5 29.41	+3,637	59 36 50.9	-13,840	135
6042	Aries	9	5 31.77	3,328	75 4 40.7	13,838	193
6043	Eridanus	8½	5 33.19	3,833	103 43 30.9	13,836	465
6044	Cetus	10	5 42.10	3,070	89 59 6.6	13,827	49
6045	Camelopardus .	8½	5 43.58	4,891	28 0 30.3	13,825	378
6046	Eridanus	7½	5 44.89	2,833	103 44 20.1	13,824	465
6047*	Perseus	8	5 45.82	3,819	52 16 48.2	13,823	122
6048	Eridanus	6½	5 48.74	2,907	99 31 8.8	13,820	246
6049	Cassiopea	9	5 54.03	7,370	12 42 27.4	13,814	351
6050	Aries	8	5 56.49	3,363	73 10 18.0	13,812	195
6051	Aries	8	5 57.00	3,363	73 10 19.6	13,811	193
6052	Perseus	9½	5 59.73	3,632	59 54 55.3	13,808	132
6053	Perseus	9	5 59.99	3,632	59 54 55.3	13,808	136
6054	Perseus	8	6 0.65	4,235	39 7 13.1	13,807	43
6055	Perseus	9	6 1.98	3,744	55 11 37.2	13,806	129
6056	Eridanus .. ζ	.	6 7.32	2,906	99 34 14.1	13,800	245
6057	Eridanus .. ζ	3	6 7.38	2,906	99 34 16.1	13,800	246
6058	Eridanus .. ζ	3	6 7.82	2,906	99 34 9.5	13,800	248
6059	Eridanus .. ζ	4	6 8.34	2,906	99 34 14.1	13,799	307
6060	Perseus	8	6 8.55	3,983	46 44 14.6	13,799	121
6061	Cassiopea	9	6 9.30	5,967	18 31 15.5	13,798	370
6062	Aries	9	6 9.35	3,557	63 19 37.7	13,798	201
6063	Perseus	8	6 10.07	3,637	59 42 24.2	13,797	136
6064	Perseus	8	6 10.62	3,637	59 42 28.1	13,797	132
6065	Aries .....	.	6 12.83	3,464	67 54 31.9	13,794	31
6066	Aries	8	6 13.07	3,464	67 54 34.4	13,794	36
6067	Eridanus	6½	6 13.39	2,701	110 46 5.4	13,794	558
6068	Eridanus	7	6 13.90	2,701	110 46 11.1	13,793	560
6069	Perseus	5½	6 15.87	3,712	56 31 14.9	13,791	134
6070	Perseus	8½	6 16.98	4,095	43 27 18.1	13,790	389
6071	Aries	8	6 19.26	3,505	65 51 50.2	13,788	195
6072	Eridanus	8	6 20.76	2,922	98 40 13.6	13,786	248
6073	Eridanus	7	6 20.89	2,737	108 54 18.3	13,786	463
6074	Aries	9	6 24.02	3,526	64 49 48.1	13,783	200
6075	Perseus	8	6 24.63	3,838	51 40 58.8	13,782	122
6076	Aries	9	6 24.65	3,586	62 1 48.2	13,782	201
6077	Eridanus	7	6 28.98	2,984	95 1 52.5	13,778	391
6078	Perseus	8	6 29.41	4,078	43 57 34.9	13,777	389
6079	Cetus	7½	6 31.39	3,173	83 56 35.9	13,775	45
6080	Eridanus	7½	3 6 31.97	+2,799	105 32 28.7	-13,774	478

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6081	Aries	8	3 6 37,92	+3,489	66 39 31,5	-13,768	195
6082	Eridanus	8½	6 40,66	2,733	109 6 41,7	13,765	463
6083	Eridanus	7	6 43,84	2,850	102 43 56,6	13,762	466
6084	Cetus	8	6 43,93	3,188	83 5 18,6	13,762	45
6085	Eridanus	7½	6 44,74	2,850	102 43 52,3	13,761	245
6086	Perseus	8½	6 45,10	3,780	53 51 46,0	13,760	129
6087	Cetus	8½	6 50,43	3,188	83 3 9,6	13,755	45
6088	Aries	8	6 50,50	3,296	76 53 41,7	13,754	206
6089	Cetus	9	6 52,87	3,083	89 11 11,9	13,752	47
6090	Cetus	8	6 52,90	3,083	89 11 13,4	13,752	49
6091	Eridanus	6	6 54,48	2,900	99 54 10,6	13,750	246
6092	Cassiopea	9	6 57,51	5,533	21 34 16,3	13,747	375
6093	Eridanus	8½	7 1,01	2,713	110 6 10,0	13,743	560
6094	Camelopardus .	9	7 2,39	4,795	29 26 56,8	13,742	380
6095	Aries	8	7 2,66	3,376	72 33 47,4	13,742	195
6096	Camelopardus .	9	7 3,99	5,114	25 28 45,7	13,740	379
6097	Aries	8½	7 6,50	3,544	64 2 41,3	13,738	200
6098	Camelopardus .	9	7 6,73	4,454	35 9 4,1	13,737	371
6099*	Camelopardus .	9½	7 7,00	4,454	35 9 5,3	13,737	373
6100	Eridanus	7½	7 10,79	2,986	94 52 56,1	13,733	391
6101	Perseus	9	7 10,80	4,317	38 11 18,5	13,733	43
6102	Aries	8	7 16,46	3,278	77 45 4,0	13,727	39
6103	Perseus	8½	7 18,76	4,313	38 6 42,7	13,725	43
6104	Cetus	8½	7 19,03	3,120	87 3 28,1	13,724	47
6105	Cetus	8	7 19,12	3,120	87 3 29,7	13,724	202
6106	Aries	7½	7 19,24	3,321	75 32 50,1	13,724	38
6107	Camelopardus .	6	7 27,99	5,057	26 9 10,9	13,714	379
6108	Aries	8	7 40,24	3,563	63 11 42,0	13,702	201
6109	Perseus	6	7 45,75	4,183	41 39 46,0	13,696	376
6110	Camelopardus .	9	7 53,45	4,819	29 12 1,0	13,687	380
6111	Eridanus	8½	7 56,27	2,658	112 49 2,4	13,685	558
6112	Perseus	9	7 58,62	3,838	51 50 58,3	13,682	122
6113	Aries	6½	8 0,87	3,554	63 39 47,1	13,680	200
6114	Perseus	9	8 3,87	4,441	35 30 4,2	13,676	374
6115	Perseus	5	8 6,01	3,974	47 15 22,8	13,674	4
6116	Perseus	6	8 6,05	3,969	47 24 17,8	13,674	121
6117	Cetus	6	8 9,07	3,041	91 40 5,2	13,671	250
6118	Camelopardus .	9	8 15,65	4,489	34 36 11,0	13,664	371
6119	Aries	4½	8 15,71	3,597	61 41 17,3	13,664	201
6120	Aries	6	3 8 16,16	+3,597	61 41 9,6	-13,663	136

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6121	Aries	5	3	8	16,48	+3,597	61 41 17,5	-13,663	139
6122	Perseus	9		8	18,27	3,638	59 53 8,8	13,661	132
6123	Eridanus	7½		8	22,00	2,876	101 10 50,9	13,657	246
6124	Perseus	9		8	22,02	3,835	52 0 55,7	13,657	122
6125	Aries	7½		8	25,61	3,394	71 39 36,3	13,653	195
6126	Eridanus	6		8	31,44	2,628	114 15 50,0	13,647	563
6127	Aries	8		8	39,81	3,485	67 2 28,5	13,638	195
6128	Eridanus	8		8	41,05	2,888	100 28 18,2	13,637	246
6129	Aries	8		8	42,51	3,365	73 14 14,4	13,635	193
6130	Aries	8		8	42,96	3,501	66 15 27,4	13,635	195
6131	Aries	8		8	43,44	3,552	63 48 31,4	13,634	200
6132	Camelopardus .	9		8	46,65	4,932	27 46 44,5	13,631	378
6133	Perseus	9½		8	49,03	4,413	36 8 14,2	13,628	374
6134	Aries	8		8	51,09	3,290	77 21 29,8	13,626	39
6135	Perseus	8		8	51,97	3,956	47 54 31,5	13,625	4
6136	Cetus..... x¹	5½		8	52,95	3,115	87 22 18,7	13,624	202
6137	Cetus..... x¹	6		8	52,97	3,115	87 22 19,2	13,624	47
6138	Eridanus	7½		8	55,11	3,008	93 34 22,8	13,622	391
6139	Aries	8		8	55,11	3,408	71 = 20,3	13,622	195
6140	Aries	7½		8	55,34	3,408	71 0 15,2	13,622	33
6141	Aries	8		8	57,15	3,410	70 51 45,1	13,619	195
6142	Aries	7½		8	57,89	3,410	70 51 41,0	13,619	33
6143	Cetus	10		9	2,53	3,114	87 26 11,4	13,614	47
6144	Perseus	9		9	6,05	3,638	59 57 57,2	13,610	132
6145	Perseus	9		9	6,50	3,638	59 57 47,2	13,609	136
6146	Eridanus	9		9	6,77	2,648	113 13 24,6	13,609	563
6147	Perseus	6		9	7,37	4,180	41 30 59,5	13,608	376
6148	Perseus	8½		9	9,22	3,627	60 27 15,7	13,607	132
6149	Aries	8		9	11,35	3,397	71 33 11,3	13,604	195
6150	Cetus	8		9	12,46	3,207	82 2 7,9	13,603	42
6151	Perseus	8½		9	15,06	4,285	38 57 24,0	13,600	43
6152	Eridanus	7½		9	18,96	2,806	104 59 37,0	13,596	466
6153	Eridanus	8		9	19,04	2,806	104 59 33,8	13,596	478
6154	Perseus	8½		9	23,41	4,027	45 45 44,5	13,591	121
6155	Aries	7½		9	23,43	3,423	70 13 21,2	13,591	33
6156	Camelopardus .	8½		9	25,94	4,824	29 16 37,8	13,588	380
6157	Cetus	7		9	27,60	3,078	89 32 11,0	13,587	49
6158	Eridanus	5		9	31,83	2,647	113 15 0,7	13,582	563
6159	Eridanus	5		9	32,29	2,647	113 15 3,9	13,582	558
6160	Eridanus	6	3	9	32,66	+2,725	109 17 48,0	-13,581	560

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6161	Eridanus	6	3	9	33.40	+2,725	109	17	29.2	-13,581	463
6162	Aries	8½		9	34.24	3,272	78	23	13.6	13,580	39
6163	Perseus	8½		9	34.30	3,659	59	4	26.5	13,580	136
6164	Aries	8		9	36.13	3,404	71	15	11.9	13,578	195
6165	Camelopardus .	8		9	43.47	4,946	27	41	36.8	13,570	378
6166	Cetus	7		9	44.08	3,082	89	15	5.5	13,569	49
6167	Cetus	9		9	47.99	3,213	81	41	46.4	13,565	42
6168	Cassiopea	8		9	50.20	5,579	21	26	13.6	13,562	375
6169	Perseus . . . . .	.		9	51.36	3,830	52	19	30.4	13,561	122
6170	Cassiopea	9		9	52.15	5,955	18	51	15.8	13,560	370
6171	Cetus	8		9	54.75	3,030	92	19	33.9	13,557	250
6172	Perseus	8½	10		0.42	4,049	45	10	55.1	13,552	121
6173	Perseus	8	10		2.27	3,655	59	18	58.9	13,550	136
6174	Perseus . . . . .	.	10		4.40	3,811	53	3	58.2	13,547	122
6175	Perseus	8½	10		5.93	3,811	53	4	1.3	13,546	129
6176	Aries	6	10		13.25	3,570	63	7	16.9	13,538	200
6177	Aries	6	10		13.44	3,570	63	7	16.4	13,538	201
6178	Aries	6½	10		13.65	3,570	63	7	14.3	13,537	139
6179	Cassiopea	8	10		14.75	5,607	21	15	26.4	13,536	375
6180	Taurus	9	10		17.93	3,204	82	16	45.7	13,533	42
6181	Perseus	8½	10		18.40	4,050	45	12	7.2	13,532	121
6182	Cetus	9	10		19.73	3,027	92	29	17.3	13,531	250
6183	Perseus . . . . .	.	10		20.57	4,427	36	1	50.0	13,530	374
6184	Perseus	8	10		20.79	3,912	49	31	4.1	13,530	137
6185	Perseus	9	10		23.83	4,183	41	35	6.1	13,526	376
6186	Camelopardus .	8	10		27.57	4,751	30	26	19.4	13,522	380
6187	Cetus	9	10		30.02	3,114	87	27	7.0	13,520	47
6188	Taurus	8½	10		30.44	3,226	80	59	11.7	13,519	41
6189	Eridanus .. τ^4	4	10		37.58	2,660	112	29	36.5	13,511	563
6190	Eridanus .. τ^4	4	10		37.99	2,660	112	29	41.3	13,511	558
6191	Cetus κ^2	6	10		39.58	3,121	87	3	9.7	13,509	202
6192	Cetus	7	10		40.06	3,119	87	8	13.5	13,509	47
6193	Camelopardus .	8	10		40.15	4,760	30	18	56.4	13,509	380
6194	Eridanus	7½	10		41.09	2,718	109	34	46.2	13,508	560
6195	Perseus	8	10		44.85	3,918	49	23	21.1	13,504	137
6196	Eridanus	8	10		47.15	3,003	93	50	26.7	13,501	391
6197	Cetus	8	10		49.62	3,117	87	16	0.1	13,498	202
6198	Aries	9	10		49.82	3,513	65	51	6.4	13,498	195
6199	Cetus	9	10		49.99	3,117	87	15	53.8	13,498	47
6200	Cetus	8½	3	10	56.26	+3,066	90	10	57.9	-13,492	49

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6201	Perseus	8	3 10 56,86	+4,393	36 47 55,0	-13,491	374
6202	Aries	9	10 59,49	3,573	63 2 17,5	13,488	201
6203	Aries	9	10 59,68	3,573	63 2 20,5	13,488	139
6204	Camelopardus .	8½	11 2,08	4,506	34 34 56,3	13,485	371
6205	Perseus	9	11 2,51	4,190	41 28 19,3	13,485	376
6206	Aries	9	11 3,00	3,551	64 5 10,3	13,484	200
6207	Camelopardus .	9	11 5,55	4,577	33 18 10,0	13,481	371
6208	Perseus	8	11 8,88	3,648	59 44 24,6	13,478	132
6209	Perseus	8	11 9,26	3,648	59 44 25,3	13,477	136
6210	Aries	7½	11 9,45	3,556	63 49 29,1	13,477	200
6211	Perseus	9	11 9,54	3,730	56 18 7,1	13,477	134
6212	Perseus	8½	11 9,59	4,365	37 23 50,3	13,477	43
6213	Perseus	9	11 12,64	4,193	41 24 6,3	13,474	376
6214*	Aries	5½	11 16,53	3,431	69 59 0,5	13,470	33
6215	Perseus	8½	11 17,94	3,635	60 17 3,1	13,468	132
6216	Perseus	8½	11 18,21	3,635	60 17 6,8	13,468	136
6217	Perseus	8	11 23,37	3,882	50 40 43,4	13,462	140
6218	Cassiopea	9	11 26,09	5,490	22 16 38,2	13,459	375
6219	Perseus	9½	11 29,24	3,759	55 12 53,6	13,456	129
6220	Perseus .....	.	11 30,82	3,765	54 57 38,4	13,454	129
6221	Eridanus	8	11 33,63	2,743	108 14 53,8	13,451	463
6222	Aries	8	11 33,88	3,568	63 19 14,9	13,451	201
6223	Cetus	8	11 36,58	3,130	86 31 4,8	13,448	202
6224	Perseus	8½	11 36,68	3,903	49 57 42,9	13,448	140
6225	Perseus	8	11 36,90	4,282	39 18 22,0	13,447	43
6226	Perseus	8½	11 38,83	3,721	56 43 22,7	13,445	134
6227	Perseus	9	11 42,25	3,759	55 13 40,7	13,442	129
6228	Eridanus	9	11 49,62	2,967	95 53 14,0	13,434	307
6229	Perseus	7	11 49,85	4,188	41 35 53,7	13,434	376
6230	Aries	9	11 52,68	3,352	74 8 56,0	13,430	193
6231	Perseus	8	11 53,45	3,889	50 29 58,6	13,430	140
6232	Perseus	8½	11 57,86	3,729	56 26 10,6	13,425	134
6233	Perseus	7½	11 58,02	4,056	45 12 17,9	13,424	389
6234	Perseus	8	11 58,19	4,056	45 12 18,5	13,424	121
6235	Perseus	7	11 58,47	3,919	49 27 46,2	13,424	137
6236	Perseus	6½	12 1,88	3,711	57 11 8,3	13,421	312
6237	Aries	8½	12 5,18	3,352	74 9 20,2	13,417	193
6238	Perseus	7½	12 9,65	3,911	49 45 56,8	13,412	137
6239	Perseus	9	12 13,11	4,298	39 0 21,9	13,408	43
6240	Camelopardus .	7½	3 12 14,58	+4,761	30 27 30,2	-13,407	380

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6241	Eridanus	8	3 12 15.78	+2,967	95 51 50.1	-13,405	307
6242	Perseus	8½	12 25.19	3,825	52 47 54.5	13,395	122
6243	Perseus	8	12 25.96	4,051	45 25 8.1	13,394	121
6244	Eridanus	8½	12 30.09	2,839	103 3 25.3	13,390	245
6245	Aries	6	12 31.53	3,513	65 59 41.0	13,388	195
6246	Cetus	9	12 32.34	3,077	89 33 44.3	13,387	49
6247	Aries	8½	12 37.74	3,355	74 0 0.0	13,382	193
6248	Eridanus	6	12 40.09	2,618	114 21 40.2	13,379	563
6249	Perseus	9½	12 40.70	3,775	54 42 5.5	13,378	129
6250	Eridanus	9	12 40.83	2,821	104 0 0.9	13,378	466
6251	Eridanus	6½	12 41.40	2,780	106 11 4.7	13,377	478
6252	Eridanus	7	12 43.27	2,686	111 3 4.8	13,376	558
6253	Eridanus	6½	12 43.44	2,686	111 3 7.5	13,375	560
6254	Aries	8	12 43.98	3,598	62 3 50.1	13,375	139
6255	Aries	7½	12 44.31	3,598	62 3 17.8	13,374	201
6256	Perseus	8½	12 54.53	3,823	52 56 21.8	13,363	122
6257	Aries	6½	12 55.28	3,434	69 54 59.0	13,362	33
6258	Aries	9½	12 56.39	3,600	62 0 8.8	13,361	201
6259	Aries	8½	12 56.68	3,371	73 10 3.9	13,361	195
6260	Aries	9½	12 56.81	3,600	62 0 8.2	13,361	139
6261	Perseus	8½	12 58.31	3,836	52 28 21.3	13,359	122
6262	Aries	7½	12 58.53	3,459	68 40 39.9	13,359	36
6263	Aries	7½	12 58.83	3,459	68 40 42.7	13,359	31
6264	Camelopardus .	5	12 59.16	4,745	30 46 19.0	13,358	380
6265	Perseus	8	13 5.08	3,670	58 59 10.7	13,352	136
6266	Perseus	8	13 5.10	3,670	58 59 13.9	13,352	312
6267	Taurus	7	13 8.60	3,142	85 50 22.9	13,348	202
6268	Aries	7	13 10.69	3,280	78 5 22.5	13,346	39
6269	Perseus	•	13 18.23	3,900	50 15 24.6	13,337	137
6270	Cetus	7	13 19.74	3,073	89 48 15.1	13,336	49
6271	Eridanus	7	13 21.88	2,670	111 49 21.8	13,333	558
6272	Perseus	8	13 26.05	4,000	47 3 34.0	13,329	4
6273	Perseus	8	13 26.53	4,000	47 3 24.9	13,329	121
6274	Cetus	9	13 30.97	3,110	87 40 36.5	13,324	47
6275	Eridanus	6½	13 32.69	2,920	98 30 7.7	13,322	248
6276	Cassiopea	8	13 33.75	5,412	23 7 3.3	13,321	375
6277	Perseus	8½	13 35.09	3,804	53 42 1.8	13,319	129
6278	Cassiopea	9	13 36.29	6,221	17 36 14.9	13,318	370
6279	Aries	9	13 37.05	3,324	75 44 39.6	13,317	38
6280	Aries	9	3 13 37.06	+3,324	75 44 38.9	-13,317	206

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6281	Perseus	•	3 13 37.57	+3.905	50 7 22.5	-13.316	137
6282	Eridanus	9	13 41.65	2.709	109 49 25.4	13.312	560
6283	Perseus	9	13 42.85	3.760	55 22 28.0	13.311	134
6284	Perseus	6	13 54.34	4.195	41 38 52.7	13.298	376
6285	Aries	9	13 54.68	3.540	64 50 33.0	13.298	200
6286	Taurus	8	13 57.95	3.230	80 54 31.0	13.294	41
6287	Taurus 0	5	14 4.10	3.216	81 41 8.2	13.288	42
6288	Aries	9	14 4.73	3.377	72 58 7.9	13.287	195
6289	Eridanus	7	14 6.29	2.802	104 56 39.3	13.285	466
6290	Eridanus	7½	14 6.31	2.802	104 56 37.8	13.285	478
6291	Eridanus	7½	14 6.49	2.790	105 36 3.5	13.285	478
6292	Eridanus	6½	14 7.96	2.741	108 9 34.5	13.283	464
6293	Taurus	8	14 8.47	3.234	80 42 17.7	13.283	41
6294	Perseus	8½	14 10.89	3.674	58 53 34.1	13.280	312
6295	Perseus	8	14 10.98	3.674	58 53 30.7	13.280	136
6296	Taurus	8	14 11.82	3.279	78 13 47.1	13.279	39
6297	Aries	8	14 11.93	3.340	74 53 13.8	13.279	193
6298	Aries	9	14 19.50	3.305	76 47 36.3	13.271	206
6299	Aries	9	14 19.96	3.308	76 37 32.2	13.270	38
6300	Taurus	9	14 24.44	3.228	81 0 51.1	13.265	41
6301	Cetus	8½	14 25.35	3.081	89 21 39.6	13.264	49
6302	Aries	7	14 28.87	3.603	61 59 31.2	13.260	201
6303	Aries	7	14 29.01	3.603	61 59 35.5	13.260	139
6304	Perseus	8½	14 29.05	4.028	46 19 12.5	13.260	121
6305	Perseus	9½	14 29.94	3.631	60 47 16.5	13.259	132
6306	Perseus	8	14 33.21	3.835	52 39 47.0	13.256	122
6307	Perseus	9½	14 36.87	3.766	55 14 22.2	13.251	134
6308	Perseus	9	14 43.89	4.199	41 38 10.4	13.244	376
6309	Perseus	7	14 45.04	4.028	46 19 59.6	13.243	121
6310	Camelopardus .	5	14 50.35	4.491	35 15 16.1	13.237	371
6311	Camelopardus .	6	14 50.65	4.491	35 15 18.4	13.236	374
6312	Eridanus	6	15 2.40	2.806	104 42 43.4	13.224	466
6313	Eridanus	6	15 2.51	2.806	104 42 34.6	13.223	478
6314	Camelopardus .	9	15 2.93	4.488	35 19 54.6	13.223	374
6315	Perseus	7½	15 3.04	4.009	46 57 21.2	13.223	121
6316	Camelopardus .	8	15 3.11	4.488	35 19 53.3	13.223	371
6317	Aries	8½	15 3.30	3.460	68 45 41.7	13.222	36
6318	Perseus	7½	15 3.44	4.009	46 57 25.5	13.222	4
6319	Perseus	5½	15 8.16	4.219	41 11 53.0	13.217	376
6320	Eridanus	8	3 15 8.81	+2.963	96 2 7.1	-13.217	307

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6321	Taurus	8	3 15 8,84	+3,162	84 46 38,4	-13,216	45
6322	Aries	9	15 11,03	3,520	65 53 11,5	13,214	195
6323	Taurus	9	15 11,07	3,279	78 13 45,3	13,214	39
6324	Eridanus	7½	15 12,04	2,978	95 11 48,2	13,213	310
6325	Eridanus	7½	15 13,43	2,670	111 38 49,9	13,211	558
6326	Eridanus	9	15 16,34	2,719	109 11 16,2	13,208	464
6327	Cetus	9	15 16,61	3,037	91 52 1,0	13,208	250
6328	Eridanus	9	15 21,32	2,938	97 26 58,8	13,203	248
6329	Taurus	9	15 22,52	3,313	76 24 8,3	13,201	38
6330	Eridanus	7	15 23,30	2,975	95 22 18,1	13,201	307
6331	Perseus	7½	15 23,61	3,899	50 32 7,4	13,200	137
6332	Eridanus	7½	15 24,11	2,975	95 22 11,5	13,200	310
6333	Camelopardus .	7½	15 25,73	4,930	28 26 4,4	13,198	378
6334	Perseus	8	15 31,97	4,368	37 48 34,1	13,191	43
6335	Perseus .....	.	15 31,98	4,126	43 38 23,8	13,191	389
6336	Perseus	7½	15 32,16	4,121	43 46 1,9	13,191	389
6337	Eridanus	7½	15 35,06	2,599	115 1 6,5	13,188	563
6338	Perseus	8	15 35,17	4,055	45 39 27,1	13,188	121
6339	Eridanus	7	15 38,36	2,803	104 49 53,9	13,184	466
6340	Eridanus	8	15 38,50	2,803	104 49 49,3	13,184	478
6341	Aries	7	15 39,20	3,398	71 57 14,6	13,183	195
6342	Perseus	8½	15 40,68	4,209	41 29 30,7	13,181	376
6343	Camelopardus .	8	15 40,81	5,217	25 8 49,7	13,181	379
6344	Perseus	8	15 43,92	3,702	57 53 49,4	13,178	312
6345	Perseus	6	15 49,28	3,727	56 53 46,1	13,172	134
6346	Perseus	9	15 49,51	3,813	53 35 41,3	13,172	129
6347	Perseus	7½	15 49,81	3,901	50 31 10,4	13,171	137
6348	Eridanus	8	15 55,73	2,822	103 46 47,2	13,165	466
6349	Eridanus	8	15 59,29	2,785	105 44 12,4	13,161	478
6350	Aries	8	16 4,92	3,508	66 31 32,7	13,155	195
6351	Perseus	7½	16 6,84	3,780	54 53 23,7	13,153	129
6352	Cetus	9	16 7,63	3,039	91 44 47,9	13,150	250
6353	Perseus	9½	16 9,72	3,632	60 54 27,2	13,149	132
6354	Perseus	9	16 9,86	3,775	55 0 36,8	13,149	129
6355	Cassiopea	9	16 12,29	5,581	21 54 38,1	13,147	375
6356	Eridanus	8	16 18,30	2,666	111 47 16,4	13,140	558
6357	Taurus	7	16 18,83	3,285	77 58 22,4	13,140	39
6358	Aries	7	16 19,06	3,442	69 46 49,0	13,139	33
6359	Taurus ξ	5	16 20,67	3,230	80 57 59,9	13,138	42
6360	Taurus ξ	4	3 16 20,89	+3,230	80 58 24,9	-13,137	41

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6361	Taurus	8	3 16 22.72	+ 3,359	74 2 40.0	- 13,135	193
6362	Aries	8	16 25.99	3,553	64 25 58.2	13,132	310
6363	Aries	8	16 26.34	3,553	64 26 15.0	13,131	200
6364	Camelopardus .	9	16 28.60	4,554	34 15 27.8	13,129	371
6365	Aries	9	16 30.06	3,615	61 38 29.2	13,127	201
6366	Aries	9	16 30.48	3,616	61 38 24.9	13,127	139
6367	Aries	8	16 31.20	3,433	70 14 33.8	13,126	33
6368	Perseus .....	.	16 31.46	4,130	43 38 23.3	13,126	389
6369	Aries	9	16 31.48	3,402	71 49 10.7	13,126	195
6370	Perseus .....	.	16 32.29	3,646	60 19 44.7	13,125	132
6371	Perseus	7½	16 32.76	3,646	60 19 47.6	13,124	136
6372	Cetus	7½	16 35.53	3,058	90 40 57.1	13,121	49
6373	Camelopardus .	9	16 36.25	4,935	28 28 3.0	13,120	378
6374	Aries	6½	16 46.53	3,481	67 53 44.9	13,109	31
6375	Aries	6	16 46.59	3,481	67 53 41.2	13,109	36
6376	Camelopardus .	9	16 50.81	4,932	28 32 4.2	13,104	378
6377	Cetus	8	16 51.83	3,097	88 25 34.3	13,103	47
6378	Taurus	9	16 52.06	3,369	73 32 12.2	13,103	193
6379	Perseus	8	16 56.96	4,052	45 52 7.7	13,098	121
6380	Taurus	7½	16 57.43	3,161	84 50 3.1	13,097	45
6381	Eridanus	8½	16 59.39	2,718	109 8 58.2	13,095	464
6382	Perseus	8	16 59.53	3,991	47 43 17.5	13,095	4
6383	Aries	8½	17 1.16	3,555	64 23 29.2	13,093	200
6384	Aries	9	17 1.34	3,577	63 23 30.2	13,092	310
6385	Eridanus	9	17 5.16	2,973	95 26 47.6	13,089	307
6386	Eridanus	7	17 8.06	2,778	106 4 19.4	13,085	478
6387	Eridanus	8½	17 10.77	2,915	98 41 21.2	13,082	248
6388	Eridanus	9	17 11.20	2,709	109 36 2.8	13,082	560
6389	Aries	7	17 16.74	3,437	70 4 45.9	13,076	33
6390	Perseus	7	17 16.94	4,216	41 29 31.4	13,075	376
6391	Eridanus	9	17 22.60	2,970	95 36 11.2	13,069	307
6392	Perseus	7	17 22.86	3,967	48 29 50.5	13,069	4
6393	Perseus	8	17 23.18	3,805	54 3 43.2	13,068	129
6394	Camelopardus .	9	17 23.74	5,078	26 48 11.1	13,068	379
6395	Camelopardus .	9½	17 27.94	4,492	35 30 46.1	13,063	374
6396	Taurus	8½	17 33.71	3,187	83 23 53.1	13,057	45
6397	Perseus	7	17 34.58	4,225	41 17 53.4	13,056	376
6398	Camelopardus .	8½	17 39.30	5,493	22 44 12.7	13,051	375
6399	Taurus	7½	17 41.47	3,261	79 18 38.0	13,048	39
6400	Taurus	8	3 17 41.88	+ 3,261	79 18 38.7	- 13,048	41

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6401	Perseus	8	3 17 48,37	+4,340	38 38 46,6	-13,040	43
6402	Taurus	7½	17 49,49	3,329	75 42 14,9	13,039	38
6403	Perseus	7½	17 57,81	3,955	48 58 20,5	13,030	4
6404	Perseus	9½	18 0,24	3,926	49 53 27,6	13,027	137
6405	Perseus	8	18 3,08	3,641	60 39 28,5	13,024	136
6406	Perseus	8	18 3,28	3,641	60 39 27,5	13,024	132
6407	Eridanus	8½	18 3,76	3,013	93 11 0,6	13,024	250
6408	Eridanus	8	18 4,23	3,013	93 11 4,8	13,023	310
6409	Taurus	9	18 5,55	3,352	74 30 5,3	13,021	193
6410	Eridanus	8½	18 7,59	2,711	109 24 5,4	13,019	560
6411	Taurus	8	18 13,58	3,135	86 20 38,2	13,012	202
6412	Camelopardus .	9	18 14,77	4,516	35 8 7,0	13,011	371
6413	Perseus	7	18 17,99	3,926	49 56 3,7	13,008	137
6414	Aries	9	18 20,21	3,573	63 40 30,8	13,005	200
6415	Eridanus	6½	18 21,77	2,795	105 4 12,8	13,003	478
6416	Eridanus	6½	18 21,80	2,795	105 4 15,3	13,003	466
6417	Eridanus	8	18 25,11	2,976	95 15 52,3	13,000	307
6418	Eridanus	8½	18 25,82	2,941	97 13 19,8	12,999	248
6419	Taurus	8	18 26,54	3,363	73 56 12,4	12,998	193
6420	Eridanus	6	18 28,91	2,853	101 59 11,8	12,995	245
6421	Camelopardus .	9	18 30,07	4,568	34 12 51,8	12,994	371
6422	Camelopardus .	7	18 30,84	4,486	35 43 10,8	12,993	374
6423	Perseus	7½	18 37,01	4,059	45 51 7,2	12,987	121
6424	Taurus	7	18 38,67	3,115	87 27 7,5	12,985	202
6425	Perseus	5	18 38,81	4,102	44 38 5,5	12,985	389
6426	Taurus	7	18 39,10	3,115	87 27 13,1	12,984	47
6427	Eridanus	9	18 39,56	2,999	93 55 0,3	12,984	310
6428	Perseus	7½	18 44,55	3,989	47 56 48,5	12,978	4
6429	Eridanus	8½	18 46,36	2,688	110 31 31,0	12,976	560
6430	Camelopardus .	7	18 48,03	4,791	30 38 57,9	12,974	380
6431	Aries	9	18 48,25	3,633	61 5 1,2	12,974	132
6432	Perseus	9	18 49,33	3,828	53 21 48,8	12,973	122
6433	Perseus	8	18 54,45	3,749	56 19 28,5	12,967	134
6434	Aries	8½	18 57,25	3,590	62 58 7,8	12,964	139
6435	Camelopardus .	8	18 57,28	5,038	27 24 3,0	12,964	378
6436	Taurus	8½	18 58,46	3,429	70 35 25,3	12,963	33
6437	Perseus	7	18 58,98	4,061	45 50 15,2	12,962	121
6438	Perseus	8	18 59,98	3,806	54 12 35,8	12,961	129
6439	Aries	8	19 0,52	3,591	62 57 49,9	12,961	139
6440	Aries	8	3 19 1,65	+3,577	63 34 59,8	-12,959	310

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6441	Aries	8	3	19	1,84	+3,577	63 34 55,8	-12,959	200
6442	Perseus	9		19	1,92	3,833	53 13 10,7	12,959	122
6443	Eridanus	6½		19	3,04	2,817	103 54 36,2	12,957	466
6444	Perseus	7		19	3,72	3,933	49 46 21,9	12,957	137
6445	Perseus	9		19	8,44	3,834	53 11 10,9	12,952	122
6446	Camelopardus .	8½		19	11,29	5,513	22 41 16,5	12,949	375
6447	Perseus	8		19	14,70	4,175	42 44 31,6	12,945	376
6448	Aries	9		19	17,26	3,587	63 7 24,2	12,942	200
6449	Aries	8½		19	17,62	3,587	63 7 19,1	12,941	139
6450	Aries	8		19	18,26	3,587	63 7 24,2	12,940	200
6451	Aries	7½		19	18,62	3,588	63 7 19,1	12,940	139
6452	Camelopardus .	9		19	20,50	5,229	25 19 43,6	12,938	379
6453	Aries	8½		19	24,69	3,537	65 26 15,0	12,933	195
6454	Taurus	6		19	29,23	3,262	79 21 32,5	12,928	41
6455	Taurus	6		19	29,58	3,262	79 21 32,7	12,928	39
6456	Taurus	8½		19	30,49	3,404	71 53 30,6	12,927	195
6457	Taurus	8		19	34,38	3,246	80 14 8,9	12,923	41
6458	Eridanus	9		19	35,69	2,716	109 4 41,1	12,921	464
6459	Eridanus	8		19	43,64	2,866	101 15 11,9	12,912	245
6460	Taurus	8		19	44,50	3,424	70 54 49,0	12,911	33
6461	Taurus .....f	5½		19	50,84	3,292	77 45 31,4	12,904	39
6462	Eridanus	6		19	51,86	2,935	97 29 44,0	12,903	248
6463	Eridanus	6		19	52,48	2,935	97 29 49,4	12,902	307
6464	Perseus	8		19	53,53	3,786	55 1 46,6	12,901	134
6465	Perseus	8		19	54,40	3,786	55 1 45,9	12,900	129
6466	Perseus	8		19	55,69	3,645	60 41 2,0	12,899	136
6467	Perseus	8		19	56,35	3,645	60 41 13,0	12,898	132
6468	Taurus	8		19	57,23	3,503	67 2 44,2	12,897	36
6469	Perseus	6½		19	57,50	3,781	55 13 50,8	12,897	134
6470	Taurus	8½		19	57,73	3,504	67 2 36,4	12,896	195
6471	Perseus	6		19	58,34	3,781	55 13 49,1	12,896	130
6472	Aries	8		19	59,96	3,634	61 9 38,6	12,894	132
6473	Perseus	9		20	2,53	4,205	42 4 12,4	12,890	376
6474	Perseus	9		20	7,40	3,680	59 13 50,7	12,886	136
6475	Taurus	6		20	8,12	3,168	84 30 16,8	12,885	45
6476	Eridanus	5		20	9,33	2,826	103 22 22,8	12,884	466
6477	Perseus	8		20	9,44	3,685	59 2 30,5	12,883	136
6478	Taurus	8		20	11,09	3,156	85 10 51,5	12,882	202
6479	Taurus	7		20	12,57	3,153	85 19 41,8	12,880	202
6480	Taurus	8	3	20	14,60	+3,504	67 2 44,6	-12,878	195

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6481	Taurus	7½	3 20 15,82	+3,150	85 32 29,2	-12,876	202
6482	Taurus	7½	20 16,05	3,504	67 2 37,3	12,876	36
6483	Taurus	8½	20 20,00	3,405	71 53 29,8	12,871	195
6484	Taurus	9	20 22,40	3,187	83 29 41,3	12,869	45
6485	Eridanus	8	20 25,71	2,654	112 4 7,7	12,865	558
6486	Eridanus	7	20 25,84	2,691	110 15 19,2	12,865	560
6487	Perseus	7½	20 25,92	3,780	55 17 29,9	12,865	134
6488	Perseus	7½	20 26,32	3,781	55 16 30,3	12,864	130
6489	Perseus	6½	20 26,88	3,907	50 47 9,0	12,864	137
6490	Eridanus	9	20 27,28	2,855	101 50 6,7	12,863	245
6491	Perseus	8	20 40,83	3,728	57 19 50,6	12,848	312
6492	Eridanus	7	20 41,72	2,845	102 20 9,0	12,847	245
6493	Eridanus	4½	20 42,12	2,966	95 46 10,2	12,847	307
6494	Perseus	7½	20 42,24	3,853	52 40 23,7	12,847	122
6495	Eridanus	4½	20 42,33	2,966	95 46 10,7	12,847	310
6496	Eridanus	8½	20 47,74	2,652	112 7 2,2	12,841	558
6497	Perseus	8	20 48,16	3,847	52 53 29,0	12,840	122
6498	Taurus	9	20 49,74	3,365	73 57 32,0	12,838	193
6499	Eridanus	7	20 51,63	2,608	114 10 23,3	12,836	563
6500	Cetus	7	20 52,46	3,049	91 10 23,7	12,836	49
6501	Cetus	6½	20 52,90	3,049	91 10 22,7	12,835	250
6502	Perseus	•	21 1,05	4,067	45 52 50,8	12,826	121
6503	Eridanus	6½	21 2,64	2,629	113 12 7,3	12,824	558
6504	Eridanus	6½	21 2,97	2,880	100 25 28,0	12,823	246
6505	Eridanus	8½	21 7,69	2,956	96 19 18,1	12,818	307
6506	Aries	9	21 8,35	3,607	62 24 41,0	12,817	139
6507	Camelopardus .	8	21 10,79	5,274	25 1 0,2	12,815	379
6508	Taurus	7½	21 15,13	3,267	79 8 41,8	12,811	41
6509	Taurus	8	21 15,60	3,267	79 8 42,1	12,810	40
6510	Perseus	8	21 18,10	4,091	45 14 6,3	12,806	121
6511	Perseus	8	21 25,35	3,922	50 22 46,0	12,799	137
6512	Camelopardus .	9	21 33,87	4,784	31 0 32,6	12,789	380
6513	Perseus	8	21 34,99	4,400	37 45 7,2	12,788	43
6514	Taurus	8	21 39,43	3,500	67 19 0,4	12,783	195
6515	Eridanus	7½	21 39,85	2,994	94 11 19,3	12,782	310
6516	Taurus	8	21 39,90	3,500	67 19 3,9	12,782	31
6517	Taurus	8	21 40,19	3,500	67 19 3,2	12,782	36
6518	Taurus	8½	21 40,37	3,418	71 18 4,4	12,782	33
6519	Eridanus	7½	21 40,70	2,692	110 7 50,1	12,781	560
6520	Taurus	8½	3 21 40,73	+3,418	71 18 5,3	-12,781	195

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			h m s	s	° ' "	"	
6521	Eridanus	8	3 21 41,03	+2,858	101 37 15,0	-12,781	245
6522	Perseus	7½	21 41,30	3,879	51 52 33,2	12,780	122
6523	Taurus	8½	21 42,44	3,501	67 17 57,3	12,779	195
6524	Taurus	8½	21 42,60	3,501	67 18 3,9	12,779	31
6525	Taurus	7½	21 43,17	3,364	74 5 1,6	12,779	193
6526	Taurus	8½	21 43,19	3,501	67 18 3,2	12,778	36
6527	Cassiopea	7	21 45,51	7,706	12 32 12,4	12,776	351
6528	Eridanus	7½	21 46,15	2,712	109 9 11,8	12,775	464
6529	Eridanus	7½	21 47,81	2,809	104 11 24,7	12,773	466
6530	Eridanus	8½	21 53,38	2,737	107. 51 40,5	12,767	464
6531	Perseus . . . . .	.	21 58,72	4,154	43 35 22,9	12,761	389
6532	Perseus	7½	22 4,67	3,873	52 5 44,5	12,754	122
6533	Perseus	8	22 4,69	4,006	47 47 11,9	12,754	4
6534	Taurus	8	22 5,84	3,511	66 51 14,8	12,753	195
6535	Eridanus	7½	22 10,62	2,823	103 25 31,3	12,747	466
6536	Camelopardus .	7	22 10,78	4,615	33 44 30,1	12,747	371
6537	Perseus	9	22 13,46	3,916	50 39 5,5	12,744	137
6538	Taurus	8½	22 13,74	3,114	87 32 17,6	12,744	47
6539	Eridanus	7	22 13,88	2,745	107 28 13,2	12,744	464
6540	Perseus	8	22 14,32	3,857	52 40 0,2	12,743	122
6541	Eridanus	7	22 14,58	2,745	107 28 6,5	12,743	478
6542	Taurus	8	22 18,29	3,152	85 25 47,1	12,739	45
6543	Taurus	8	22 18,32	3,152	85 25 52,6	12,739	202
6544	Eridanus	8	22 18,36	2,915	98 31 36,9	12,739	248
6545	Perseus ψ	4½	22 19,63	4,198	42 29 13,7	12,737	389
6546	Taurus	9	22 20,36	3,379	73 21 12,4	12,736	193
6547	Perseus ψ	5	22 20,54	4,198	42 29 15,0	12,736	376
6548	Perseus	9	22 23,20	4,007	47 47 40,1	12,733	4
6549	Taurus	9	22 24,80	3,396	72 27 25,4	12,732	195
6550	Eridanus	8	22 25,07	2,997	93 59 55,0	12,731	310
6551	Taurus	8½	22 27,81	3,327	76 0 16,6	12,728	206
6552	Taurus	9	22 28,30	3,572	64 4 21,2	12,727	200
6553	Eridanus	8	22 28,39	2,929	97 46 31,4	12,727	248
6554	Camelopardus .	8½	22 29,08	5,153	26 23 12,4	12,727	379
6555	Camelopardus .	8½	22 31,96	5,117	26 47 36,9	12,723	379
6556	Perseus	6½	22 35,37	3,699	58 39 50,0	12,720	312
6557	Perseus	7	22 35,50	3,699	58 39 48,9	12,720	136
6558	Camelopardus .	9	22 36,18	4,785	31 5 26,2	12,719	380
6559	Taurus	6	22 37,33	3,525	66 13 0,1	12,717	195
6560	Perseus	3 22 38,60	+4,091	45 22 23,8	-12,717	121

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6561	Camelopardus .	7	3 22 42.12	+4,607	33 56 17.6	-12,712	371
6562	Perseus	9	22 43.86	3,789	55 11 53.9	12,710	130
6563	Camelopardus .	9	22 44.20	4,520	35 30 22.8	12,709	374
6564	Eridanus	9	22 44.69	2,861	101 25 35.5	12,709	245
6565	Taurus	6	22 45.75	3,389	72 50 4.1	12,708	195
6566	Perseus	9	22 48.54	3,742	57 12 12.7	12,705	134
6567	Eridanus	9	22 48.94	2,693	110 0 19.3	12,703	560
6568	Taurus	8	22 58.41	3,429	70 53 4.3	12,694	33
6569	Perseus	10	23 0.36	3,790	55 10 6.0	12,691	130
6570	Eridanus	7½	23 5.78	3,024	92 32 45.3	12,685	250
6571	Taurus	8	23 5.79	3,183	83 45 25.8	12,685	45
6572	Perseus	7	23 13.02	3,692	58 59 55.4	12,677	136
6573	Perseus	6½	23 13.53	3,692	58 59 57.3	12,677	312
6574	Perseus	7	23 13.53	3,692	58 59 55.3	12,677	132
6575	Perseus	8	23 18.76	3,775	55 45 20.2	12,671	134
6576	Taurus	8	23 19.74	3,579	63 49 43.2	12,670	200
6577	Taurus	8½	23 20.57	3,594	63 9 17.4	12,668	139
6578	Taurus	8	23 21.12	3,602	62 49 51.1	12,668	139
6579	Camelopardus .	7½	23 21.93	4,780	31 13 41.8	12,667	380
6580	Cassiopea	9	23 24.91	7,818	12 19 17.9	12,664	351
6581	Eridanus	3	23 31.18	2,884	100 8 34.6	12,656	246
6582	Eridanus	3	23 31.23	2,884	100 8 34.4	12,656	248
6583	Eridanus	3	23 31.77	2,884	100 8 32.9	12,656	307
6584	Taurus	9	23 35.47	3,357	74 32 51.8	12,652	193
6585	Eridanus	7½	23 35.53	2,873	100 43 41.6	12,651	245
6586	Eridanus	8½	23 36.60	2,985	94 40 29.5	12,650	310
6587	Perseus	8½	23 47.80	4,086	45 37 7.4	12,638	121
6588	Taurus	8½	23 47.98	3,120	87 14 50.7	12,638	47
6589	Eridanus	7	23 49.70	2,579	115 18 11.0	12,635	563
6590	Taurus	8½	23 52.59	3,412	71 46 26.7	12,632	195
6591	Perseus	8	23 55.56	3,653	60 41 29.3	12,629	136
6592	Perseus	8	23 55.84	3,653	60 41 39.3	12,628	132
6593	Perseus	8½	23 56.05	4,240	41 35 31.9	12,628	376
6594	Taurus	8	24 0.36	3,597	63 5 1.6	12,623	139
6595	Taurus	9	24 5.01	3,083	89 17 9.1	12,618	49
6596	Perseus	9	24 7.33	3,691	59 8 54.7	12,616	312
6597	Perseus	7½	24 7.53	3,762	56 19 34.1	12,615	134
6598	Perseus	8½	24 8.20	4,246	41 28 5.0	12,614	376
6599	Perseus	8½	24 8.21	3,938	50 8 1.3	12,614	137
6600	Taurus	8½	3 24 9.00	+3,260	79 37 56.7	-12,614	41

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6601	Perseus	3 24 9.36	+4,181	43 5 38.4	-12,613	389
6602	Perseus	7½	24 11.93	3,924	50 34 59.1	12,610	137
6603	Taurus	7½	24 12.16	3,174	84 15 44.1	12,610	45
6604	Perseus	8½	24 12.29	3,784	55 30 30.3	12,610	134
6605	Camelopardus .	7½	24 12.71	4,595	34 17 12.8	12,609	371
6606	Perseus	8½	24 14.05	4,408	37 51 14.1	12,608	43
6607	Perseus	9	24 14.83	3,680	59 36 5.2	12,607	132
6608	Eridanus	8	24 23.53	2,999	93 54 20.2	12,597	310
6609	Eridanus	8	24 27.10	2,938	97 12 7.2	12,593	307
6610	Taurus	9½	24 27.99	3,118	87 19 2.1	12,592	47
6611	Eridanus	6½	24 29.97	2,775	105 48 9.1	12,590	466
6612	Eridanus	6	24 30.37	2,775	105 48 3.3	12,589	478
6613	Perseus	5½	24 31.62	4,004	48 5 19.5	12,588	4
6614*	Perseus	8	24 34.61	4,080	45 52 8.9	12,585	121
6615	Perseus	9	24 38.42	3,876	52 14 32.5	12,580	122
6616	Perseus	8	24 38.45	4,080	45 52 8.9	12,580	121
6617	Perseus	8½	24 44.40	3,780	55 42 12.7	12,573	134
6618	Perseus	8½	24 45.81	3,682	59 32 55.4	12,572	136
6619	Perseus	8½	24 45.86	3,682	59 32 51.9	12,572	132
6620	Eridanus	9	24 46.29	2,800	104 30 30.3	12,571	466
6621	Perseus	9	24 46.79	3,681	59 36 9.5	12,571	136
6622	Taurus	8	24 51.19	3,365	74 11 31.6	12,566	193
6623	Taurus	7½	24 52.17	3,437	70 36 13.6	12,565	33
6624	Taurus	9	24 52.83	3,426	71 6 54.9	12,564	195
6625	Eridanus	9	24 52.92	2,922	98 3 14.1	12,564	248
6626	Eridanus	7	24 53.08	2,995	94 5 18.7	12,564	310
6627	Taurus	10	24 53.34	3,177	84 15 54.2	12,563	45
6628	Camelopardus .	6	24 56.20	5,077	27 26 51.1	12,560	378
6629	Camelopardus .	6	24 56.72	5,077	27 26 52.7	12,559	379
6630	Perseus	8½	24 57.38	4,072	46 8 7.3	12,559	121
6631	Eridanus .. 75	4	24 57.86	2,642	112 18 47.5	12,558	558
6632	Taurus	8	25 0.18	3,599	63 5 4.7	12,555	200
6633	Perseus	7½	25 0.36	3,849	53 14 29.7	12,555	130
6634	Eridanus	6	25 1.18	2,875	100 32 46.6	12,554	246
6635	Eridanus	8	25 3.02	2,808	105 23 17.9	12,552	478
6636*	Perseus	7½	25 8.34	3,683	59 33 14.5	12,546	136
6637	Perseus .....	.	25 8.91	3,683	59 33 14.6	12,546	132
6638	Taurus	7	25 10.37	3,564	64 40 3.6	12,544	310
6639	Eridanus	8	25 10.54	2,829	102 58 13.9	12,544	245
6640	Eridanus	8	3 25 11.04	+2,967	95 34 33.5	-12,543	307

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			h m s	s	° ' "	"	
6641	Taurus	7	3 25 13,98	+3,503	67° 27' 38,5	-12,540	31
6642	Taurus	7	25 14,18	3,503	67 27 33,6	12,540	36
6643	Camelopardus .	9	25 21,29	6,096	19 2 18,9	12,531	370
6644	Perseus .....	.	25 21,70	4,085	45 47 42,0	12,531	121
6645	Perseus	9	25 23,89	3,788	55 29 17,7	12,529	134
6646	Camelopardus .	9	25 28,91	5,677	21 50 9,7	12,523	375
6647	Persens	6	25 31,53	4,006	48 7 28,1	12,520	4
6648	Camelopardus .	9	25 33,58	5,344	24 40 45,6	12,518	379
6649	Taurus	9	25 38,00	3,403	72 18 28,0	12,512	195
6650	Taurus	9	25 41,00	3,304	77 22 48,0	12,509	40
6651	Taurus	9½	25 41,60	3,304	77 22 41,1	12,508	206
6652	Persens	9	25 42,61	3,888	51 57 19,5	12,507	122
6653	Perseus	8	25 48,20	3,969	49 18 37,4	12,501	137
6654	Persens	8	25 52,19	3,967	49 23 3,5	12,496	137
6655	Taurus	8½	25 53,61	3,526	66 24 28,2	12,495	195
6656	Taurus	9	25 56,05	3,408	72 4 29,7	12,492	195
6657	Eridanus	7	26 2,77	2,963	95 47 55,4	12,484	308
6658	Eridanus	9	26 10,78	2,890	99 43 18,6	12,475	246
6659	Camelopardus .	6	26 20,32	4,835	30 41 28,9	12,464	380
6660	Camelopardus .	9	26 24,10	5,079	27 32 52,9	12,460	378
6661	Eridanus	5½	26 26,22	2,849	101 52 13,2	12,457	245
6662	Eridanus	7½	26 26,40	2,581	114 59 2,5	12,457	563
6663	Taurus	6	26 30,45	3,068	90 4 29,7	12,453	49
6664	Taurus	6½	26 34,92	3,346	75 14 11,9	12,447	193
6665	Taurus	4	26 40,45	3,065	90 14 30,1	12,441	49
6666	Taurus	8	26 42,78	3,425	71 18 22,8	12,438	195
6667	Taurus	8½	26 44,85	3,535	66 3 49,9	12,436	195
6668	Perseus	7½	26 45,91	4,132	44 38 33,6	12,435	389
6669	Taurus	8	26 55,28	3,082	89 19 9,8	12,424	47
6670	Taurus	6½	26 57,64	3,494	68 0 14,2	12,421	36
6671	Taurus	7	26 57,96	3,494	68 0 12,1	12,421	31
6672	Persens	8	26 58,31	4,085	45 58 27,6	12,421	121
6673	Taurus	9½	27 6,21	3,647	61 13 14,9	12,412	139
6674	Taurus	9	27 8,79	3,085	89 11 19,7	12,409	47
6675	Eridanus	5	27 10,44	2,725	108 8 16,1	12,407	464
6676	Perseus	8	27 12,79	4,094	45 44 17,5	12,404	121
6677	Taurus	7	27 14,43	3,539	65 57 29,9	12,402	195
6678	Camelopardus .	7	27 15,52	5,494	23 26 40,3	12,401	379
6679	Camelopardus .	6½	27 15,97	5,494	23 26 39,4	12,400	375
6680	Taurus	9	3 27 18,30	+3,161	85 1 37,5	-12,398	45

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			h m s	s	° ' "	"	
6681	Camelopardus .	9	3 27 18,31	+4,614	34 15 9,4	-12,398	371
6682	Taurus	8	27 20,74	3,078	89 32 37,4	12,395	47
6683	Taurus	7½	27 20,85	3,134	86 31 22,2	12,395	202
6684	Taurus	9	27 21,72	3,648	61 12 38,9	12,394	139
6685	Perseus	8	27 22,93	4,130	44 46 0,2	12,393	389
6686	Taurus . . . . .	.	27 25,00	3,458	69 44 49,2	12,390	33
6687	Eridanus	7	27 26,48	2,686	110 2 54,0	12,388	560
6688	Taurus	9	27 28,50	3,595	63 26 26,7	12,386	200
6689	Taurus	8½	27 29,09	3,588	63 45 4,1	12,385	310
6690	Perseus	8	27 29,95	3,765	56 32 47,2	12,384	134
6691	Perseus	7½	27 36,04	3,969	49 28 40,0	12,377	137
6692	Taurus	8	27 36,14	3,060	90 31 32,1	12,377	49
6693	Perseus	8½	27 42,53	3,906	51 32 31,7	12,370	122
6694	Perseus	8	27 45,52	4,085	46 2 51,0	12,367	121
6695	Perseus	9	27 46,09	4,400	38 21 26,8	12,366	43
6696	Taurus	8	27 49,04	3,499	67 49 16,3	12,363	36
6697	Taurus	8½	27 49,66	3,499	67 49 19,2	12,362	31
6698	Eridanus	8½	28 5,26	2,619	113 9 13,3	12,344	558
6699	Taurus	9	28 5,45	3,651	61 6 31,0	12,344	132
6700	Taurus	9	28 5,76	3,651	61 6 29,2	12,343	139
6701	Taurus	8½	28 5,80	3,591	63 41 47,2	12,343	310
6702	Taurus	9	28 5,86	3,591	63 41 50,2	12,343	200
6703	Taurus	9	28 5,97	3,407	72 15 58,7	12,343	195
6704	Perseus	9	28 6,86	3,661	60 42 15,5	12,342	136
6705	Taurus	6	28 8,38	3,369	74 7 27,4	12,340	193
6706	Perseus	6	28 9,65	3,862	53 4 38,5	12,339	130
6707	Eridanus	9	28 9,65	3,025	92 24 36,1	12,339	250
6708	Taurus	7½	28 10,35	3,318	76 45 56,2	12,338	40
6709	Eridanus	8½	28 10,94	2,916	98 18 46,7	12,337	248
6710	Taurus	8	28 11,77	3,589	63 46 29,2	12,336	310
6711	Taurus	8½	28 11,81	3,589	63 46 24,3	12,336	200
6712	Taurus	9	28 14,29	3,588	63 48 44,3	12,333	200
6713	Perseus	8	28 18,23	4,048	47 8 28,7	12,329	141
6714	Perseus	9	28 18,37	3,981	49 11 25,1	12,329	137
6715	Eridanus	8½	28 18,47	2,911	98 32 30,4	12,328	248
6716	Eridanus	8	28 24,91	2,919	98 8 52,1	12,321	248
6717	Taurus	9½	28 25,71	3,650	61 12 16,2	12,320	132
6718	Eridanus	8½	28 28,65	3,025	92 24 40,2	12,317	250
6719	Taurus	8	28 31,39	3,108	87 53 55,8	12,314	47
6720	Eridanus	6½	3 28 31,78	+2,764	106 8 57,5	-12,313	478

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6721	Taurus	9	3 28 34.11	+3,123	87° 7' 21.6	-12,311	202
6722	Perseus	9	28 38.90	3,963	49 46 16.6	12,305	137
6723	Camelopardus .	5½	28 40.88	5,116	27 18 14.1	12,303	378
6724	Camelopardus .	5½	28 41.28	5,116	27 18 10.5	12,302	379
6725	Taurus	8½	28 43.29	3,367	74 17 56.9	12,300	193
6726	Eridanus	6	28 43.40	2,920	98 3 6.0	12,300	248
6727	Taurus	7	28 44.30	3,470	69 15 16.1	12,299	33
6728	Perseus δ	4	28 44.55	4,208	42 51 56.7	12,299	376
6729	Perseus	8	28 44.66	3,864	53 4 3.7	12,298	130
6730	Eridanus	7	28 46.12	3,029	92 11 15.8	12,297	250
6731	Eridanus	8	28 49.16	2,848	101 52 1.9	12,293	245
6732	Taurus	6½	28 50.90	3,555	65 19 37.4	12,291	195
6733	Camelopardus .	9	28 51.85	4,878	30 17 57.9	12,290	381
6734	Perseus	9	28 54.44	3,901	51 49 33.3	12,287	122
6735	Taurus	8	28 57.46	3,123	87 6 51.8	12,284	202
6736	Taurus .....	.	29 3.24	3,652	61 8 51.3	12,277	132
6737	Taurus	9	29 3.24	3,652	61 8 50.5	12,277	139
6738	Taurus	8½	29 3.34	3,652	61 8 48.2	12,277	136
6739	Taurus	7½	29 7.23	3,633	61 57 16.2	12,272	139
6740	Camelopardus .	9½	29 7.23	5,238	26 0 33.4	12,272	379
6741	Eridanus	7½	29 8.86	2,899	99 10 5.0	12,270	246
6742	Eridanus	6	29 8.87	2,953	96 16 35.4	12,270	308
6743	Taurus	8	29 24.16	3,549	65 38 52.1	12,253	195
6744	Taurus	7	29 26.64	3,114	87 36 13.6	12,251	47
6745	Taurus	8½	29 28.67	3,312	77 6 13.8	12,248	206
6746	Camelopardus .	7	29 29.93	6,093	19 18 16.3	12,246	370
6747	Eridanus	9	29 31.19	2,622	112 55 46.2	12,245	558
6748	Taurus	8½	29 34.37	3,198	83 4 12.4	12,241	42
6749	Taurus	8½	29 34.91	3,198	83 4 14.2	12,241	45
6750	Eridanus	7½	29 37.12	3,028	92 15 1.1	12,238	250
6751	Camelopardus .	9	29 37.27	4,780	31 47 9.5	12,238	380
6752	Taurus	8	29 40.43	3,246	80 34 10.4	12,234	41
6753	Camelopardus .	9	29 41.37	4,614	34 27 39.9	12,233	371
6754	Perseus .....	.	29 41.43	3,811	55 0 53.8	12,233	130
6755	Perseus	9½	29 41.44	3,809	55 0 43.9	12,233	130
6756	Eridanus	8	29 45.97	3,022	92 34 56.9	12,228	250
6757	Perseus	8	29 45.99	3,970	49 39 18.9	12,228	137
6758	Taurus	8½	29 46.08	3,558	65 17 6.6	12,228	195
6759	Perseus	8	29 49.03	4,242	42 7 31.6	12,224	376
6760	Eridanus	7	3 29 50.05	+3,037	91 46 47.1	-12,223	250

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			h m s	s	° ' "	"	
6761	Eridanus	6½	3 29 51,79	+2,862	101 5 24,6	-12,221	245
6762	Eridanus	6½	29 52,27	2,862	101 5 24,9	12,221	246
6763	Perseus	6½	29 53,80	3,740	57 42 35,3	12,219	312
6764	Perseus	7½	29 54,14	4,042	47 29 0,5	12,218	4
6765	Taurus	7	29 55,42	3,153	85 31 52,0	12,217	202
6766	Eridanus	8	29 55,44	2,665	110 52 43,5	12,217	560
6767	Taurus	8	29 57,03	3,429	71 16 0,6	12,215	195
6768	Eridanus	7	29 58,55	2,931	97 26 14,3	12,213	248
6769	Taurus	•	29 58,72	3,652	61 13 38,7	12,213	132
6770	Taurus	9	29 59,16	3,652	61 13 45,6	12,212	136
6771	Eridanus	8	30 3,17	3,022	92 34 56,9	12,208	250
6772	Perseus	7½	30 8,70	4,024	48 1 58,2	12,201	4
6773	Camelopardus .	9	30 10,93	5,052	28 10 9,6	12,199	378
6774	Perseus	8½	30 11,46	3,969	49 44 9,1	12,198	137
6775	Perseus	8½	30 17,31	4,104	45 45 46,5	12,191	121
6776	Perseus	8	30 17,90	4,104	45 45 44,4	12,191	141
6777	Eridanus	7½	30 20,14	2,852	101 36 8,1	12,188	245
6778	Taurus	9	30 25,81	3,295	78 2 27,9	12,182	40
6779	Taurus	8	30 27,13	3,586	64 4 39,8	12,180	310
6780	Camelopardus .	9	30 27,96	4,555	35 34 50,9	12,179	374
6781	Eridanus	6½	30 30,39	2,724	108 1 15,7	12,176	464
6782	Eridanus	8	30 30,53	2,690	109 39 34,2	12,176	560
6783	Eridanus	7	30 30,99	2,888	99 41 48,5	12,176	246
6784	Eridanus	8½	30 31,02	2,619	112 58 50,8	12,176	558
6785	Taurus	8	30 31,18	3,502	67 51 41,2	12,175	31
6786	Taurus	7½	30 31,70	3,502	67 51 36,4	12,175	36
6787	Camelopardus .	9	30 32,04	4,628	34 17 26,1	12,174	371
6788	Eridanus	7	30 37,80	3,014	92 58 33,4	12,168	310
6789	Taurus	9	30 40,91	3,112	87 42 12,3	12,164	47
6790	Perseus	9	30 40,98	3,673	60 27 4,1	12,164	136
6791	Perseus	6	30 42,81	4,150	44 32 49,6	12,162	389
6792	Eridanus	5½	30 44,72	2,960	95 51 56,4	12,160	308
6793	Perseus	8	30 45,04	4,148	44 36 18,7	12,159	389
6794	Taurus	9	30 46,54	3,381	73 41 51,5	12,158	193
6795	Taurus	5½	30 48,08	3,437	70 57 0,5	12,156	33
6796	Taurus	6	30 48,31	3,437	70 57 2,3	12,155	195
6797	Camelopardus .	9	30 51,00	5,520	23 28 17,2	12,152	379
6798	Camelopardus .	8	30 51,30	5,520	23 28 10,3	12,152	375
6799	Perseus	9	30 54,19	3,893	52 16 28,4	12,149	122
6800	Perseus	10	3 30 56,49	+3,893	52 16 28,4	-12,146	122

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6801	Eridanus	6	3 30 57.34	+2,767	105 52 59.2	-12,145	466
6802	Eridanus	5½	30 57.43	2,767	105 52 55.2	12,145	478
6803	Camelopardus .	9	31 3.23	5,263	25 53 18.3	12,138	379
6804	Eridanus	8	31 3.26	2,845	101 55 45.7	12,138	245
6805	Taurus	9	31 8.17	3,194	83 20 7.3	12,133	45
6806	Taurus	7	31 9.74	3,567	64 58 3.8	12,131	310
6807	Taurus	7½	31 9.94	3,567	64 57 56.6	12,130	200
6808	Taurus	8½	31 12.35	3,053	90 52 20.2	12,128	49
6809	Eridanus	6½	31 15.86	2,677	110 15 1.7	12,124	560
6810	Eridanus	8	31 16.29	2,959	95 56 39.7	12,123	308
6811	Perseus	9	31 16.44	4,213	42 59 15.2	12,123	376
6812	Eridanus	8½	31 16.63	2,621	112 49 30.3	12,122	558
6813	Taurus	7½	31 17.82	3,388	73 21 30.1	12,121	193
6814	Camelopardus .	8	31 19.14	5,771	21 31 47.3	12,120	375
6815	Taurus	9	31 19.90	3,283	78 41 20.3	12,119	40
6816	Camelopardus .	6	31 21.05	5,344	25 6 36.6	12,117	379
6817	Camelopardus .	4½	31 22.18	5,344	25 6 40.1	12,116	379
6818	Taurus	9	31 24.12	3,054	90 48 53.2	12,114	49
6819	Perseus	8½	31 27.49	3,974	49 42 22.4	12,110	137
6820	Perseus	6	31 36.34	3,839	54 11 3.5	12,100	130
6821	Taurus	8	31 38.87	3,199	83 5 47.2	12,097	42
6822	Perseus y	4	31 38.87	4,028	48 4 0.0	12,097	4
6823	Taurus	8½	31 38.90	3,199	83 5 54.2	12,097	45
6824	Perseus	8	31 39.54	4,126	45 17 17.3	12,096	121
6825	Perseus	8	31 39.64	4,126	45 17 17.6	12,096	141
6826	Taurus	8½	31 40.37	3,570	64 52 34.8	12,095	310
6827	Taurus . . . . .	.	31 40.69	3,570	64 52 34.6	12,095	200
6828	Perseus	8	31 40.79	3,662	60 57 45.9	12,095	136
6829	Eridanus	6½	31 41.55	2,679	110 7 44.9	12,094	560
6830	Perseus	8	31 44.52	3,823	54 47 19.2	12,090	130
6831	Taurus	8½	31 44.55	3,503	67 54 35.9	12,090	36
6832	Eridanus	6½	31 44.60	2,834	102 27 21.2	12,090	245
6833	Taurus	7½	31 45.55	3,584	64 15 56.2	12,089	310
6834	Taurus	8½	31 47.04	3,122	87 12 51.9	12,087	202
6835	Perseus 0	4½	31 48.40	3,728	58 21 24.9	12,086	312
6836	Perseus	8	31 48.55	3,947	50 33 53.4	12,085	137
6837	Eridanus	8	31 50.27	2,960	95 53 26.6	12,083	308
6838	Taurus	8	31 51.09	3,219	82 0 45.5	12,083	42
6839	Taurus	8½	31 53.09	3,523	66 59 37.7	12,080	195
6840	Taurus	8½	3 31 53.87	+3,569	64 54 43.8	-12,079	310

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6841	Taurus	8½	3 31 54.16	+3,569	64 54 59.8	-12,079	200
6842	Camelopardus .	7	31 57.02	4,611	34 42 56.4	12,076	371
6843	Perseus	8	31 57.17	4,136	45 2 25.4	12,075	141
6844	Camelopardus .	7½	31 57.24	4,611	34 42 57.8	12,075	374
6845	Perseus	8	31 57.76	4,136	45 2 29.2	12,075	121
6846	Perseus	7½	32 1.19	4,010	48 38 8.9	12,071	4
6847	Taurus	8½	32 2.41	3,206	82 44 37.8	12,069	42
6848	Perseus	6½	32 2.76	4,139	44 57 36.4	12,069	141
6849	Taurus	8	32 3.27	3,573	64 45 47.5	12,068	200
6850	Perseus	5½	32 3.28	4,139	44 57 36.8	12,068	389
6851	Perseus	6	32 3.32	4,139	44 57 37.2	12,068	121
6852	Taurus	8	32 4.48	3,392	73 12 46.1	12,067	193
6853	Taurus	8½	32 7.89	3,544	66 5 11.5	12,063	195
6854	Camelopardus .	6½	32 11.31	5,137	27 20 4.8	12,059	378
6855	Taurus	5½	32 14.40	3,438	70 58 37.1	12,056	33
6856	Taurus	6	32 14.72	3,438	70 58 39.8	12,055	195
6857	Eridanus	7	32 16.01	2,784	104 56 59.1	12,053	466
6858	Camelopardus .	7½	32 16.28	5,699	22 7 16.4	12,053	375
6859	Perseus	7½	32 21.23	4,393	38 55 47.0	12,047	43
6860	Perseus	8	32 22.85	3,667	60 49 13.0	12,045	136
6861	Eridanus	6½	32 26.16	2,675	110 14 8.8	12,042	560
6862	Taurus	7½	32 29.65	3,621	62 44 35.0	12,038	139
6863	Perseus	7	32 30.14	3,906	51 57 59.6	12,037	123
6864	Perseus	8	32 31.98	3,675	60 30 21.7	12,035	136
6865	Taurus	7½	32 32.67	3,622	62 42 48.0	12,034	139
6866	Taurus .....	.	32 36.26	3,514	67 25 51.6	12,030	36
6867	Taurus	9	32 36.35	3,372	74 13 32.0	12,030	193
6868	Eridanus	7	32 36.70	2,782	105 5 51.4	12,029	466
6869	Perseus	9	32 38.18	4,216	43 2 7.9	12,028	376
6870	Eridanus	8	32 47.11	2,971	95 15 11.9	12,017	308
6871	Eridanus	7½	32 47.83	2,971	95 15 14.1	12,016	310
6872	Perseus	9	32 48.84	3,668	60 49 23.1	12,015	136
6873	Taurus	5½	32 51.13	3,466	69 42 51.4	12,012	33
6874	Perseus	8	32 52.50	4,387	39 6 28.2	12,011	43
6875	Taurus	7	32 56.21	3,539	66 20 59.1	12,007	195
6876	Taurus	9	32 58.70	3,364	74 37 5.8	12,004	193
6877	Taurus	4½	33 0.60	3,535	66 31 37.4	12,001	195
6878	Camelopardus .	8½	33 1.82	5,017	28 49 34.8	12,000	378
6879	Eridanus	8	33 2.16	2,750	106 36 35.4	12,000	478
6880	Taurus	3 33 4.28	+3,516	67 22 11.7	-11,997	36

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6881	Eridanus	8½	3 33 13.57	+2,639	111 53 7.8	-11,986	558
6882	Taurus	8	33 14.25	3,641	61 58 12.5	11,985	139
6883	Taurus	6	33 15.10	3,552	65 48 1.3	11,985	195
6884	Eridanus	7½	33 17.16	3,019	92 42 36.0	11,982	250
6885	Eridanus	7	33 23.20	2,563	115 17 52.3	11,975	563
6886	Eridanus	7	33 23.29	2,563	115 18 3.7	11,974	564
6887	Taurus	8	33 24.34	3,182	84 0 13.2	11,974	45
6888	Perseus	9	33 25.18	3,998	49 8 22.5	11,973	137
6889	Perseus	9	33 25.26	3,998	49 8 22.3	11,973	4
6890	Camelopardus .	7½	33 28.54	4,690	33 30 51.9	11,969	371
6891	Perseus	9	33 30.06	3,864	53 29 23.5	11,967	130
6892	Eridanus	7½	33 30.66	3,019	92 43 21.1	11,966	250
6893	Perseus	8	33 30.80	4,086	46 33 41.2	11,966	121
6894	Perseus	8	33 31.33	4,086	46 33 37.1	11,965	141
6895	Camelopardus .	9	33 33.86	5,590	23 4 10.3	11,962	379
6896	Camelopardus .	8½	33 34.10	5,590	23 4 11.3	11,962	375
6897	Taurus	8½	33 35.21	5,570	65 1 41.2	11,961	310
6898	Camelopardus .	8	33 35.46	4,691	33 30 38.0	11,961	371
6899	Eridanus .. δ	3½	33 40.05	2,872	100 27 0.7	11,955	245
6900	Eridanus .. δ	3½	33 40.83	2,872	100 26 57.9	11,954	248
6901	Eridanus .. δ	3	33 41.20	2,872	100 27 1.4	11,954	246
6902	Eridanus .. δ	3½	33 41.53	2,872	100 26 57.7	11,953	308
6903	Eridanus	9	33 42.67	2,747	106 43 16.2	11,952	557
6904	Eridanus	8	33 44.56	2,692	109 21 26.1	11,950	560
6905	Eridanus	7½	33 44.98	2,692	109 21 17.6	11,950	464
6906	Perseus	9	33 48.80	4,405	38 48 33.3	11,945	43
6907	Perseus	8½	33 48.81	4,004	49 2 22.7	11,945	137
6908	Eridanus	8½	33 52.99	2,622	112 37 36.5	11,940	558
6909	Taurus	8	33 53.72	3,474	69 23 25.4	11,939	33
6910	Taurus	8½	33 55.72	3,646	61 46 49.7	11,937	139
6911	Taurus	5½	33 56.78	3,542	66 16 4.3	11,935	195
6912	Eridanus	6	33 59.96	2,858	101 7 42.1	11,932	466
6913	Eridanus	9	34 0.65	3,021	92 36 47.9	11,931	250
6914	Eridanus	6	34 0.65	2,858	101 7 37.9	11,931	245
6915	Taurus	8	34 1.62	3,566	65 14 14.4	11,930	310
6916	Taurus	7	34 1.74	3,515	67 29 21.3	11,930	36
6917	Taurus . . . . .	.	34 2.11	3,515	67 29 18.1	11,929	31
6918	Camelopardus .	9	34 5.81	4,895	30 30 30.9	11,925	381
6919	Taurus	9	34 8.21	3,667	60 57 42.7	11,922	132
6920	Taurus	8	3 34 8.30	+3,667	60 57 43.7	-11,922	136

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6921	Eridanus	7½	3 34 8,66	+2,875	100 14 42,6	-11,922	246
6922	Perseus	•	34 9,82	4,135	45 16 39,4	11,920	141
6923	Eridanus	8½	34 11,90	2,908	98 31 21,8	11,918	248
6924	Taurus	8	34 17,93	3,371	74 22 26,8	11,911	193
6925	Taurus	•	34 25,75	3,515	67 30 27,5	11,902	36
6926	Camelopardus .	9	34 27,37	5,369	25 5 35,3	11,900	379
6927	Taurus	7	34 30,00	3,534	66 41 8,7	11,897	132
6928	Eridanus	9	34 36,57	3,050	91 3 30,0	11,889	49
6929	Eridanus	9	34 38,38	2,530	116 37 22,2	11,887	564
6930	Perseus	8	34 39,29	4,187	43 56 52,9	11,886	389
6931	Perseus	8	34 39,49	3,970	50 11 13,8	11,886	137
6932	Taurus	7½	34 39,56	3,107	88 0 50,5	11,885	47
6933	Camelopardus .	9	34 43,40	5,095	28 1 1,9	11,881	378
6934	Eridanus	6	34 43,43	3,052	90 56 6,8	11,881	49
6935	Perseus	•	34 45,33	4,048	47 45 6,2	11,879	4
6936	Eridanus	9	34 48,65	2,800	104 2 25,3	11,875	466
6937	Perseus	8	34 53,14	4,193	43 49 43,0	11,869	389
6938	Eridanus	7	34 53,21	2,682	109 45 41,3	11,869	560
6939	Perseus	9	34 55,73	3,903	52 17 15,6	11,866	123
6940	Taurus	8	34 58,22	3,573	64 59 51,3	11,863	310
6941	Taurus	8	35 2,21	3,374	74 15 39,7	11,859	193
6942	Taurus	8	35 3,37	3,194	83 26 50,1	11,857	45
6943	Taurus	8	35 6,40	3,674	60 45 23,9	11,854	136
6944	Taurus	9	35 9,40	3,119	87 23 50,7	11,850	47
6945	Camelopardus .	8	35 9,76	5,075	28 16 47,4	11,850	378
6946	Eridanus	9	35 9,78	2,621	112 34 41,1	11,850	558
6947	Eridanus	8	35 10,21	2,852	101 24 38,5	11,850	245
6948	Eridanus	8	35 10,24	2,862	100 52 55,5	11,849	246
6949	Camelopardus .	9	35 11,67	6,240	18 47 44,9	11,848	370
6950*	Taurus	9	35 12,21	3,258	80 5 13,9	11,847	41
6951	Perseus	7½	35 13,08	3,770	57 1 50,1	11,846	134
6952	Perseus	8½	35 16,26	4,242	42 38 44,1	11,842	376
6953	Perseus	7	35 18,04	3,733	58 26 12,7	11,840	312
6954	Taurus	7	35 19,73	3,316	77 7 25,5	11,838	40
6955	Taurus	7½	35 20,18	3,316	77 7 23,5	11,838	206
6956	Camelopardus .	7	35 21,09	4,918	30 17 19,4	11,837	381
6957	Eridanus	9½	35 21,52	2,619	112 40 9,0	11,836	558
6958	Perseus	7	35 23,37	4,088	46 40 0,9	11,834	121
6959	Perseus	7½	35 23,71	4,088	46 40 3,9	11,833	141
6960	Eridanus	9	3 35 24,74	+2,798	104 6 18,6	-11,832	466

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			h m s	s	° ' "	"	
6961	Perseus	7½	3 35 25.42	+4.445	38 8 48.3	-11,832	43
6962	Taurus	6½	35 29.85	3,186	83 49 43.9	11,826	45
6963	Perseus	8	35 34.46	3,978	49 57 20.9	11,821	137
6964	Taurus	9	35 36.29	3,513	67 42 28.1	11,819	30
6965	Taurus η	3	35 37.03	3,539	66 31 27.9	11,818	310
6966	Taurus η	3	35 37.13	3,539	66 31 26.1	11,818	195
6967	Taurus η	.	35 37.20	3,539	66 31 29.7	11,818	575
6968	Taurus η	3	35 37.46	3,539	66 31 30.6	11,817	195
6969	Taurus	10	35 37.92	3,118	87 24 43.9	11,817	47
6970	Taurus η	3	35 38.30	3,539	66 31 26.9	11,816	132
6971	Camelopardus .	9	35 39.11	5,183	27 8 24.5	11,815	378
6972	Taurus η	3	35 41.13	3,539	66 31 25.1	11,813	312
6973	Eridanus	8½	35 42.43	2,907	98 34 18.2	11,811	248
6974	Taurus	9	35 44.38	3,195	83 23 15.2	11,809	45
6975	Taurus	9½	35 58.94	3,677	60 40 51.0	11,792	136
6976	Perseus	8	36 0.11	3,791	56 19 8.8	11,790	134
6977	Eridanus	8½	36 2.90	2,738	107 2 41.2	11,787	557
6978	Camelopardus .	9	36 3.59	6,430	17 53 22.2	11,786	370
6979	Taurus .....	.	36 5.63	3,239	81 6 0.9	11,784	41
6980	Taurus	8½	36 6.18	3,239	81 6 4.9	11,783	42
6981	Perseus	7	36 12.34	4,128	45 39 26.3	11,776	141
6982	Eridanus	7	36 14.06	2,587	114 0 57.3	11,774	563
6983	Taurus	9	36 14.81	3,382	73 55 24.6	11,773	193
6984	Taurus	9	36 18.03	3,150	85 45 7.2	11,769	202
6985	Eridanus	8	36 18.96	2,679	106 0 22.2	11,768	557
6986	Eridanus	9	36 20.99	2,800	103 57 59.2	11,766	466
6987	Eridanus	7½	36 29.84	2,650	111 9 32.2	11,755	560
6988	Taurus	8	36 31.07	3,479	69 17 52.2	11,754	33
6989	Taurus .....	.	36 31.46	3,525	67 12 16.7	11,754	31
6990	Eridanus	8	36 31.47	2,722	107 46 34.9	11,754	464
6991	Taurus	5½	36 31.89	3,525	67 12 13.9	11,753	36
6992	Perseus	8	36 35.83	3,738	58 21 41.8	11,748	312
6993	Taurus	8	36 36.31	3,546	66 16 46.1	11,748	195
6994	Eridanus	7	36 37.94	2,868	100 30 59.5	11,746	246
6995	Eridanus	9	36 38.44	2,656	110 53 10.0	11,745	560
6996	Taurus	8	36 39.11	3,387	73 39 50.2	11,744	193
6997	Perseus	9	36 41.61	3,809	55 42 34.4	11,741	134
6998	Eridanus .. π	4	36 41.80	2,825	102 44 12.8	11,741	245
6999	Eridanus	8½	36 45.06	2,615	112 44 45.9	11,737	558
7000	Taurus	9	3 36 56.05	+3,358	75 7 11.4	-11,724	206

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7001	Taurus	8½	3 36 56,83	+3,522	67 21 47,3	-11,724	36
7002	Eridanus	9	36 56,90	2,763	105 47 54,1	11,723	557
7003	Perseus	7	36 57,01	3,895	52 44 48,7	11,723	123
7004	Eridanus	8½	36 59,88	2,877	100 4 18,7	11,720	246
7005	Eridanus	7	37 7,34	2,527	116 33 7,3	11,711	564
7006	Taurus	5½	37 17,61	3,540	66 34 11,8	11,699	195
7007	Taurus	7	37 18,17	3,542	66 29 9,7	11,698	195
7008	Taurus	5½	37 18,82	3,541	66 34 4,5	11,697	132
7009	Eridanus	8	37 18,91	2,761	105 52 46,6	11,697	557
7010	Taurus e	5½	37 18,97	3,271	79 28 56,0	11,697	40
7011	Taurus e	6	37 19,17	3,271	79 28 58,8	11,697	41
7012	Cassiopea	5	37 19,85	9,303	9 53 13,5	11,696	351
7013	Taurus	8½	37 20,79	3,481	69 17 0,5	11,695	33
7014	Taurus	9	37 20,87	3,194	83 29 49,1	11,695	45
7015	Eridanus	9	37 22,67	3,014	92 55 37,3	11,693	250
7016	Perseus	7	37 25,19	3,808	55 47 59,7	11,690	134
7017	Perseus	7½	37 26,77	4,214	43 31 20,9	11,688	389
7018	Taurus	8	37 34,55	3,222	82 2-41,9	11,679	42
7019	Camelopardus .	6½	37 34,70	4,767	32 38 10,6	11,679	380
7020	Taurus	7½	37 37,98	3,378	74 9 33,4	11,675	193
7021	Taurus	7½	37 38,61	3,242	80 58 50,1	11,674	42
7022	Taurus	8	37 38,64	3,242	80 58 48,3	11,674	41
7023	Eridanus	8½	37 38,72	2,836	102 7 10,3	11,674	245
7024	Eridanus	7½	37 39,98	2,776	105 6 28,5	11,672	466
7025	Perseus	9	37 40,36	4,151	45 10 0,5	11,672	141
7026	Eridanus	8	37 41,19	3,009	93 11 31,0	11,671	310
7027	Eridanus	8	37 41,43	3,009	93 11 32,0	11,671	250
7028	Camelopardus .	9½	37 44,60	5,381	25 12 10,1	11,667	379
7029	Perseus	8	37 46,60	3,759	57 39 13,5	11,665	134
7030	Taurus	8	37 50,86	3,674	60 58 41,9	11,660	136
7031	Eridanus	9	37 51,19	2,964	95 32 36,8	11,659	308
7032	Taurus	8	37 51,38	3,525	67 16 43,5	11,659	36
7033	Taurus	8	37 52,38	3,534	66 54 27,3	11,658	195
7034	Taurus	6	37 52,58	3,534	66 54 33,7	11,657	31
7035	Eridanus	7	37 52,67	2,966	95 27 50,6	11,657	308
7036	Camelopardus .	8½	37 56,50	4,999	29 25 57,0	11,653	381
7037	Eridanus	7	37 56,69	3,003	93 29 16,7	11,653	250
7038	Eridanus	6½	37 57,13	3,003	93 29 17,7	11,652	310
7039	Perseus	8	38 2,01	3,817	55 31 17,6	11,646	134
7040	Eridanus	8	3 38 2,80	+2,924	97 38 4,9	-11,645	248

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			h m s	s			
7041	Taurus	8	3 38 6,48	+3,537	66° 46' 14,3	-11,641	195
7042	Taurus	6	38 6,63	3,537	66 46 15,6	11,641	31
7043	Eridanus	8	38 7,05	2,770	105 23 43,9	11,640	557
7044	Taurus	9	38 11,86	3,677	60 52 30,0	11,635	136
7045	Eridanus	8	38 12,52	2,550	115 29 12,5	11,634	564
7046	Taurus	8½	38 12,83	3,104	88 12 17,4	11,633	47
7047	Eridanus	7	38 12,89	2,539	115 59 25,4	11,633	564
7048	Eridanus	8½	38 13,91	2,761	105 49 54,4	11,632	557
7049	Eridanus .. τ^6	4	38 15,10	2,588	113 51 0,6	11,631	563
7050	Taurus	6	38 18,95	3,577	65 2 8,8	11,626	310
7051	Eridanus	6½	38 23,50	3,062	90 23 44,1	11,621	49
7052	Eridanus	8	38 26,57	2,712	108 8 57,7	11,617	464
7053	Taurus	8	38 30,30	3,272	79 28 32,3	11,613	40
7054	Perseus	9	38 31,80	4,463	38 2 49,4	11,611	43
7055	Perseus	9	38 33,60	3,831	55 4 2,5	11,609	130
7056	Perseus	8	38 38,30	3,805	56 0 42,2	11,603	134
7057	Taurus	8	38 38,84	3,675	60 57 32,2	11,602	136
7058	Taurus	8	38 39,41	3,675	60 57 34,2	11,602	132
7059	Eridanus	8	38 40,69	3,011	93 3 11,0	11,600	250
7060	Eridanus	8	38 41,22	2,973	95 2 35,7	11,600	310
7061	Perseus	9	38 42,79	3,974	50 21 18,3	11,598	137
7062	Eridanus	8	38 42,90	2,762	105 43 39,8	11,598	557
7063	Taurus	8½	38 45,84	3,278	79 10 26,1	11,594	40
7064	Taurus	9	38 52,38	3,438	71 21 56,4	11,586	195
7065	Eridanus	8	38 52,77	2,927	97 26 26,5	11,586	248
7066	Taurus	6½	38 54,54	3,248	80 44 21,4	11,584	41
7067	Camelopardus	8½	38 54,59	4,740	33 10 4,6	11,584	371
7068	Perseus	9	38 54,60	3,837	54 54 26,5	11,584	130
7069	Taurus	8½	38 55,89	3,239	81 12 43,1	11,582	42
7070	Taurus	9	38 56,13	3,239	81 12 38,3	11,582	41
7071	Taurus	9	38 56,22	3,370	74 37 4,5	11,582	193
7072	Taurus	8	38 57,94	3,401	73 7 42,2	11,580	195
7073	Taurus	8	38 58,09	3,401	73 7 43,9	11,580	193
7074	Taurus	8	39 0,10	3,541	66 39 10,3	11,577	195
7075	Taurus	9	39 0,87	3,105	81 7 26,5	11,576	47
7076	Eridanus	9	39 0,95	2,830	102 23 46,9	11,576	245
7077	Eridanus	7	39 1,40	2,923	97 38 15,1	11,576	248
7078	Eridanus .. τ^7	5½	39 3,57	2,572	114 30 9,8	11,573	563
7079	Eridanus	8	39 4,93	2,799	103 55 50,3	11,571	466
7080	Perseus	8	3 39 11,55	+3,979	50 14 55,3	-11,564	137

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			h m s	s	° ' "	"	
7081	Perseus	8½	3 39 12,66	+4,285	41 57 41,7	-11,562	376
7082	Perseus	39 13,08	3,971	50 29 37,6	11,562	137
7083	Perseus	7	39 13,21	3,800	56 15 25,6	11,561	134
7084	Taurus	9	39 15,54	3,249	80 41 34,6	11,559	41
7085	Taurus	8	39 16,04	3,597	64 15 41,2	11,558	310
7086	Perseus	8½	39 16,96	3,861	54 5 40,8	11,557	130
7087	Perseus	7	39 17,76	4,216	43 42 35,2	11,556	389
7088	Camelopardus .	8½	39 20,97	5,699	22 34 38,7	11,552	375
7089	Taurus	9	39 28,83	3,185	83 59 47,7	11,543	45
7090	Perseus	8	39 34,15	3,797	56 23 33,9	11,537	134
7091	Eridanus	7½	39 35,17	3,013	92 56 50,0	11,535	250
7092	Eridanus	7	39 36,04	2,513	116 56 51,7	11,534	564
7093	Perseus	7	39 37,05	3,716	59 26 40,0	11,533	132
7094	Perseus	6½	39 37,87	3,716	59 26 40,2	11,532	312
7095	Eridanus	8½	39 39,42	2,802	103 45 34,6	11,530	466
7096	Perseus	8	39 46,30	4,462	38 10 55,9	11,522	43
7097	Camelopardus .	7	39 46,38	4,893	30 58 31,3	11,522	380
7098	Eridanus	6½	39 47,58	2,638	111 31 23,8	11,520	558
7099	Eridanus	5½	39 48,14	2,638	111 31 24,2	11,520	560
7100	Camelopardus .	7½	39 51,06	4,712	33 41 20,7	11,516	371
7101	Eridanus	8	39 51,10	2,575	114 19 1,7	11,516	563
7102	Taurus	6½	39 52,84	3,499	68 34 56,1	11,514	36
7103	Camelopardus .	5½	39 54,01	5,171	27 31 54,1	11,513	378
7104	Taurus	8	39 55,19	3,589	64 36 46,7	11,511	310
7105	Perseus	8½	40 1,24	4,162	45 5 45,1	11,504	141
7106	Perseus	7	40 4,44	3,749	58 12 11,2	11,500	312
7107	Camelopardus .	9	40 5,80	4,777	32 41 15,9	11,499	380
7108	Taurus	8	40 7,29	3,595	64 22 49,4	11,497	310
7109	Eridanus	6½	40 7,51	3,029	92 8 30,2	11,497	250
7110	Taurus	7	40 10,35	3,301	77 34 6,2	11,493	40
7111	Eridanus	9	40 10,58	2,902	98 40 59,8	11,493	248
7112	Camelopardus .	6	40 11,83	5,008	29 29 43,3	11,492	378
7113	Camelopardus .	5	40 12,17	5,007	29 29 40,3	11,491	381
7114	Taurus	8	40 15,43	3,571	65 26 23,9	11,487	195
7115	Camelopardus .	9	40 15,56	5,146	27 49 45,6	11,487	378
7116	Taurus	7½	40 16,17	3,514	67 55 15,3	11,486	31
7117	Taurus	8	40 16,42	3,514	67 55 22,4	11,486	36
7118	Perseus	8½	40 17,38	3,858	54 16 46,4	11,485	130
7119	Camelopardus .	9	40 19,53	5,419	25 1 21,3	11,482	379
7120	Eridanus	7½	3 40 20,24	+2,983	94 30 19,0	-11,482	311

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			h m s	s	° ' "	"	
7121	Perseus	9½	3 40 20.99	+4.014	49 16 18.8	-11,480	137
7122	Taurus	8	40 22.25	3.088	89 3 8.8	11,479	47
7123	Taurus	7½	40 22.70	3.088	89 3 7.3	11,478	49
7124	Eridanus	8	40 26.08	2.960	95 41 35.7	11,474	308
7125	Perseus	8	40 29.07	3.836	55 3 27.2	11,471	130
7126	Perseus	8	40 33.21	4.476	37 57 57.0	11,466	43
7127	Eridanus	7	40 36.37	2.519	116 39 12.9	11,462	564
7128	Perseus	7½	40 37.76	4.451	38 28 9.6	11,460	43
7129	Taurus	9	40 43.27	3.091	88 53 21.6	11,454	47
7130	Taurus	8½	40 44.30	3.091	88 53 22.1	11,453	49
7131	Taurus	8½	40 48.78	3.433	71 41 32.4	11,447	195
7132	Eridanus	8	40 52.76	2.857	100 56 5.2	11,442	246
7133	Perseus	9	40 53.76	3.926	52 3 33.3	11,441	123
7134	Perseus	8½	40 54.38	4.308	41 33 57.2	11,441	376
7135	Taurus	8	40 55.16	3.426	72 0 41.9	11,440	195
7136	Eridanus	8	41 3.20	2.725	107 23 21.5	11,430	557
7137	Perseus	9	41 5.10	4.016	49 17 1.1	11,428	137
7138	Eridanus	8	41 5.22	2.728	107 15 1.7	11,428	557
7139	Eridanus	8	41 9.50	2.824	102 36 37.4	11,422	245
7140	Eridanus	7½	41 15.56	2.683	109 21 45.6	11,415	560
7141	Eridanus	7	41 16.11	2.683	109 21 33.6	11,415	464
7142	Perseus	8½	41 18.51	3.871	53 55 26.4	11,412	130
7143	Taurus α^2	6	41 21.17	3.184	84 4 36.7	11,409	45
7144	Taurus α^3	6	41 21.23	3.184	84 4 35.4	11,408	202
7145	Taurus	8½	41 30.77	3.586	64 52 32.1	11,397	310
7146	Perseus ζ	3	41 35.35	3.738	58 43 24.8	11,391	132
7147	Perseus ζ	3	41 35.36	3.738	58 43 19.9	11,391	312
7148	Perseus ζ	3	41 35.58	3.738	58 43 25.3	11,391	139
7149	Perseus ζ	3	41 35.84	3.738	58 43 19.6	11,391	134
7150	Perseus	4½	41 37.21	4.261	42 43 43.2	11,389	389
7151	Perseus	7½	41 37.47	4.261	42 43 45.7	11,389	376
7152	Perseus	8½	41 39.02	3.873	53 52 41.4	11,387	130
7153	Taurus	6½	41 44.67	3.401	73 16 41.3	11,380	195
7154	Taurus	6	41 44.94	3.401	73 16 45.1	11,380	193
7155	Camelopardus .	9	41 49.43	5.832	21 44 35.1	11,374	375
7156	Eridanus	8½	41 54.56	3.027	92 14 18.9	11,368	250
7157	Eridanus	7	42 0.49	3.036	91 45 32.8	11,361	250
7158	Taurus	7	42 3.06	3.585	64 55 24.2	11,358	310
7159	Eridanus	8	42 5.51	3.045	91 15 55.4	11,355	49
7160	Eridanus	7	3 42 5.92	+3.045	91 15 53.8	-11,355	250

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			h	m	s		°	'	"		
7161	Eridanus	8	3	42	6.96	+2,992	94	1	43.4	-11,354	311
7162	Eridanus	7		42	9.02	2,989	94	12	6.7	11,351	311
7163	Eridanus	9		42	14.65	2,679	109	31	28.0	11,344	560
7164	Taurus . . . . .	.		42	18.80	3,501	68	39	35.3	11,339	36
7165	Perseus	9½		42	18.84	3,923	52	16	59.9	11,339	123
7166	Taurus	7½		42	19.08	3,501	68	39	35.4	11,339	31
7167	Eridanus	9		42	22.33	2,852	101	7	57.3	11,335	246
7168	Perseus	8		42	23.38	4,148	45	39	47.3	11,334	141
7169	Taurus	9		42	23.97	3,393	73	40	34.1	11,333	193
7170	Taurus	8½		42	26.76	3,092	88	51	29.3	11,330	47
7171	Perseus	8		42	27.48	3,871	54	1	11.9	11,329	130
7172	Taurus	8½		42	28.70	3,209	82	49	47.2	11,327	42
7173	Eridanus	7½		42	28.70	2,716	107	46	15.7	11,327	464
7174	Taurus	8½		42	28.84	3,209	82	49	50.7	11,327	45
7175	Eridanus	8		42	29.08	2,823	102	34	36.6	11,327	245
7176	Eridanus	9		42	29.79	2,561	114	43	15.2	11,326	563
7177	Eridanus	6½		42	37.30	2,960	95	39	50.2	11,317	308
7178	Taurus	9		42	37.66	3,323	77	5	51.6	11,316	206
7179	Cassiopea	7		42	38.25	8,479	11	32	15.2	11,316	351
7180	Camelopardus .	7½		42	44.41	4,761	33	8	33.2	11,308	371
7181	Camelopardus .	9		42	44.41	4,761	33	8	33.8	11,308	380
7182	Perseus	9		42	49.33	4,146	45	44	24.6	11,302	141
7183	Eridanus	5½		42	49.46	2,954	95	58	9.9	11,302	308
7184	Taurus	7		42	54.38	3,530	67	24	0.6	11,296	36
7185*	Perseus	7		42	54.99	3,719	59	33	19.2	11,296	136
7186	Perseus	7		42	55.06	3,719	59	33	20.3	11,296	132
7187	Eridanus	8		42	56.50	2,893	99	5	49.4	11,294	246
7188	Perseus	8½		42	56.80	4,461	38	28	7.4	11,294	43
7189	Taurus	8		42	58.62	3,620	63	32	12.1	11,291	310
7190	Eridanus	9		43	2.07	3,022	92	26	37.6	11,287	250
7191	Eridanus	7		43	3.30	2,973	94	58	25.5	11,285	311
7192	Eridanus	8		43	4.39	2,588	113	32	21.4	11,284	558
7193	Taurus	7		43	4.55	3,387	73	58	34.7	11,284	193
7194	Eridanus	8		43	6.10	3,019	92	36	7.0	11,282	250
7195	Taurus	8		43	8.30	3,099	88	29	0.0	11,280	47
7196	Taurus	8½		43	8.77	3,574	65	29	46.2	11,279	575
7197	Camelopardus .	9½		43	12.02	4,563	36	31	11.1	11,275	374
7198	Taurus	8½		43	12.83	3,402	73	15	33.6	11,274	193
7199	Eridanus	8½		43	15.41	2,994	93	54	5.3	11,271	311
7200	Camelopardus .	8½	3	43	15.88	+4,559	36	36	17.2	-11,270	374

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			h m s	s	° ' "	"	
7201	Eridanus	6½	3 43 20,75	+2,929	97 14 14,9	-11,264	248
7202	Eridanus	7½	43 24,66	2,745	106 20 48,7	11,260	557
7203	Taurus	8	43 25,12	3,329	76 49 41,3	11,259	40
7204	Taurus	8	43 25,74	3,329	76 49 36,4	11,258	206
7205	Taurus	8½	43 27,60	3,534	67 14 21,7	11,256	36
7206	Perseus	6½	43 37,29	3,830	55 31 1,3	11,245	134
7207	Camelopardus .	9	43 39,26	5,273	26 41 23,8	11,242	379
7208	Perseus	8	43 40,35	4,093	47 16 39,0	11,241	141
7209	Perseus	7½	43 41,65	4,042	48 42 55,1	11,239	4
7210	Eridanus	9	43 44,50	2,902	98 37 4,5	11,236	248
7211	Camelopardus .	9	43 46,50	5,158	27 56 56,7	11,233	378
7212	Taurus	8	43 53,73	3,158	85 25 28,9	11,225	202
7213	Perseus	8½	43 54,76	4,434	39 5 38,3	11,224	43
7214	Taurus	8½	43 55,08	3,237	81 25 15,5	11,223	42
7215	Taurus	9	43 55,27	3,545	66 46 14,5	11,223	575
7216	Eridanus	8	43 58,09	2,687	109 3 52,5	11,219	464
7217	Eridanus	7½	44 9,08	2,602	112 53 1,8	11,206	558
7218	Taurus	8	44 9,13	3,154	85 38 59,3	11,206	202
7219	Taurus	9	44 9,13	3,155	85 35 18,3	11,206	202
7220	Taurus	9½	44 11,06	3,530	67 28 7,1	11,204	195
7221	Taurus	8	44 12,55	3,499	68 49 45,4	11,202	31
7222	Eridanus	6	44 14,09	2,687	109 2 14,0	11,200	464
7223	Taurus	9½	44 14,76	3,167	85 0 22,4	11,199	45
7224	Eridanus	5	44 15,51	3,001	93 33 21,9	11,198	311
7225	Perseus	7½	44 17,51	3,876	54 0 20,5	11,196	130
7226	Eridanus	6½	44 17,57	2,760	105 34 18,3	11,196	557
7227	Eridanus	8½	44 19,46	2,931	97 7 34,8	11,194	248
7228	Taurus	8½	44 20,28	3,097	88 35 36,6	11,193	47
7229	Eridanus	8	44 23,82	2,806	103 20 8,3	11,193	466
7230	Taurus	8½	44 26,86	3,478	69 49 29,4	11,185	33
7231	Perseus	3	44 28,56	3,982	50 34 52,3	11,183	137
7232	Perseus	3	44 28,83	3,982	50 34 55,5	11,182	132
7233	Perseus	3	44 29,09	3,982	50 34 53,8	11,182	123
7234	Perseus	9	44 29,66	4,087	47 29 26,5	11,181	141
7235	Camelopardus .	9	44 31,66	5,152	28 4 15,3	11,179	378
7236	Perseus	7½	44 33,49	3,874	54 5 45,6	11,177	130
7237	Eridanus	7	44 36,19	2,812	103 3 2,0	11,173	466
7238	Taurus	9	44 38,12	3,531	67 26 42,2	11,171	195
7239	Taurus	8	44 38,23	3,531	67 26 31,5	11,171	36
7240	Eridanus	8½	3 44 38,61	+2,944	96 27 4,3	-11,170	308

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			h m s	s	° ' "	"	
7241	Eridanus	6	3 44 42,01	+2,547	115 12 38,9	-11,166	563
7242	Taurus	8	44 45,28	3,541	66 59 59,6	11,162	575
7243	Persens	7½	44 49,03	3,878	53 58 54,5	11,158	130
7244	Persens	9	44 50,66	4,311	41 49 39,6	11,156	376
7245	Eridanus	7½	44 59,49	2,871	100 7 6,0	11,145	246
7246	Eridanus	9	44 59,56	2,903	98 30 11,5	11,145	248
7247	Persens	9½	45 1,51	3,876	54 2 42,7	11,143	130
7248	Taurus	5½	45 4,48	3,517	68 6 30,7	11,139	31
7249	Eridanus	7½	45 9,23	2,806	103 19 13,2	11,133	466
7250	Taurus	8	45 11,58	3,581	65 18 33,1	11,130	310
7251	Taurus	7½	45 11,78	3,581	65 18 41,8	11,130	204
7252	Perseus	7½	45 11,82	3,826	55 46 29,2	11,130	134
7253	Eridanus . . . 7 ^s	5	45 12,13	2,546	115 12 50,5	11,130	564
7254	Taurus	7	45 12,36	3,581	65 18 39,3	11,130	314
7255	Persens	7	45 13,20	3,947	51 44 55,4	11,128	122
7256	Taurus	6	45 13,47	3,532	67 24 56,6	11,128	36
7257	Taurus	7	45 13,76	3,532	67 25 0,3	11,128	195
7258	Eridanus	8	45 15,04	2,961	95 34 28,3	11,126	308
7259	Persens	9	45 15,38	4,109	46 56 56,3	11,126	142
7260	Eridanus	6	45 17,69	2,581	113 43 9,3	11,123	563
7261	Eridanus	7	45 18,61	2,581	113 43 19,4	11,122	558
7262	Eridanus	8½	45 21,28	2,825	102 24 42,7	11,118	245
7263	Taurus	9	45 26,37	3,490	69 18 6,0	11,112	33
7264	Taurus	9	45 27,35	3,137	86 31 16,6	11,111	202
7265	Eridanus	9	45 28,19	2,597	112 58 50,9	11,110	558
7266	Taurus	•	45 28,88	3,491	69 16 8,9	11,109	33
7267	Camelopardus .	9	45 29,86	5,150	28 9 28,0	11,108	378
7268	Camelopardus .	8	45 32,37	4,687	34 32 42,8	11,105	371
7269	Persens	9	45 34,35	4,100	47 13 33,6	11,103	142
7270	Taurus	9	45 44,39	3,206	83 1 16,7	11,091	45
7271	Eridanus	8	45 44,66	2,716	107 36 16,1	11,090	464
7272	Eridanus	7	45 45,62	2,761	105 30 3,0	11,089	557
7273	Eridanus	6	45 52,42	2,819	102 41 32,2	11,081	245
7274	Eridanus	9	45 53,48	2,655	110 24 41,0	11,080	560
7275	Eridanus	7½	45 53,95	2,970	95 7 9,1	11,079	308
7276	Eridanus	7	45 54,19	2,970	95 7 3,0	11,079	311
7277	Taurus	9	45 56,81	3,101	88 23 3,9	11,075	47
7278	Perseus	7	45 58,69	4,265	43 0 43,0	11,073	389
7279	Perseus ξ	5	46 0,81	3,856	54 47 45,6	11,071	134
7280	Perseus ξ	5	3 46 1,10	+3,856	54 47 45,7	-11,070	130

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7281	Eridanus	9	3 46 2,75	+2,651	110 33 37,2	-11,068	560
7282	Eridanus	9	46 5,85	2,850	101 7 52,4	11,064	246
7283	Taurus	9	46 6,15	3,138	86 30 33,8	11,064	202
7284	Camelopardus .	7	46 9,45	5,846	21 53 35,7	11,060	375
7285	Camelopardus .	8½	46 13,45	4,566	36 43 2,0	11,055	374
7286	Camelopardus .	8	46 14,83	4,881	31 37 51,6	11,054	380
7287	Perseus	8½	46 16,00	3,772	57 49 49,9	11,052	312
7288	Eridanus	8½	46 23,09	2,957	95 44 46,0	11,044	308
7289	Eridanus	8	46 23,18	2,908	98 14 0,9	11,043	248
7290	Camelopardus .	9	46 23,38	6,721	16 59 58,0	11,043	370
7291	Taurus	7	46 23,43	3,176	84 32 48,5	11,043	45
7292	Camelopardus .	9	46 24,30	4,881	31 39 18,6	11,042	380
7293	Perseus	7	46 24,92	3,949	51 45 55,7	11,041	123
7294	Taurus	7	46 25,68	3,555	66 30 18,1	11,040	575
7295	Taurus	8	46 26,00	3,555	66 30 14,3	11,040	195
7296	Perseus	8	46 27,95	3,873	54 16 5,4	11,037	130
7297	Eridanus	8½	46 36,05	3,027	92 9 42,8	11,028	250
7298	Eridanus	9	46 38,01	2,614	112 9 58,7	11,025	558
7299	Eridanus	9	46 41,14	2,847	101 15 0,8	11,021	245
7300	Eridanus	8	46 41,37	2,847	101 15 3,0	11,021	246
7301	Eridanus	8½	46 41,59	3,041	91 28 35,4	11,021	250
7302	Eridanus	7½	46 42,27	2,700	108 17 21,5	11,020	464
7303	Taurus	9	46 42,37	3,285	79 5 23,2	11,020	40
7304	Taurus	9	46 42,69	3,370	74 57 32,6	11,020	193
7305	Perseus	7½	46 45,56	3,989	50 34 12,1	11,016	137
7306	Eridanus	7½	46 53,09	2,662	110 1 47,2	11,007	560
7307	Eridanus	8½	46 54,47	2,948	96 12 52,7	11,005	308
7308	Perseus	8½	46 54,57	4,064	48 21 23,3	11,005	4
7309	Perseus . . . . .	.	46 54,86	3,865	54 34 0,8	11,005	130
7310	Taurus . . . . .	.	46 54,91	3,489	69 26 17,9	11,005	33
7311	Eridanus	9	46 55,23	2,614	112 11 22,9	11,004	558
7312	Taurus	7	46 55,56	3,630	63 23 18,3	11,004	204
7313	Taurus	7	46 55,60	3,630	63 23 15,0	11,004	314
7314	Taurus	7½	46 55,84	3,630	63 23 13,4	11,003	310
7315	Taurus	8	46 55,92	3,630	63 23 6,4	11,003	139
7316	Eridanus	6	47 0,24	2,843	101 26 44,8	10,998	245
7317	Perseus	10	47 0,61	4,517	37 42 11,3	10,998	43
7318	Eridanus	6½	47 0,88	2,843	101 26 38,9	10,997	246
7319	Perseus	9	47 2,08	4,144	46 9 3,3	10,996	142
7320	Camelopardus .	9	3 47 2,22	+4,708	34 19 17,6	-10,996	371

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7321	Perseus	9	3	47	4.54	+3.996	50	22	42.9	-10,993	137
7322	Perseus	6		47	5.70	4.264	43	7	48.7	10,992	389
7323	Taurus	9		47	7.76	3.171	84	50	50.3	10,989	46
7324	Eridanus	6		47	9.09	2.787	104	11	20.4	10,988	466
7325	Taurus	7½		47	10.30	3.545	66	57	26.4	10,986	575
7326	Taurus	7½		47	10.79	3.546	66	57	21.8	10,985	31
7327	Taurus	8		47	11.20	3.546	66	57	24.7	10,985	36
7328	Perseus	8½		47	11.31	3.736	59	13	25.1	10,985	312
7329	Taurus	9½		47	13.53	3.583	65	22	4.7	10,982	196
7330	Perseus	9		47	18.21	4.109	47	7	4.0	10,976	4
7331	Perseus	9		47	18.92	4.109	47	7	7.1	10,975	142
7332	Taurus	8½		47	19.79	3.402	73	27	48.2	10,974	193
7333	Eridanus	8½		47	22.85	3.036	91	44	21.1	10,971	250
7334	Perseus	9½		47	23.08	3.872	54	23	20.8	10,970	130
7335	Eridanus	8½		47	23.57	2.917	97	44	54.5	10,970	248
7336	Taurus	9		47	31.71	3.398	73	40	26.6	10,960	193
7337	Eridanus	8		47	33.41	2.571	114	0	52.7	10,958	563
7338	Perseus	10		47	39.51	4.513	37	49	4.5	10,950	43
7339	Eridanus	9		47	42.84	2.949	96	9	15.5	10,946	308
7340	Taurus	8		47	45.02	3.694	60	52	16.1	10,944	132
7341	Taurus	8½		47	45.63	3.691	60	59	44.2	10,943	136
7342	Taurus	8		47	45.79	3.694	60	52	5.1	10,943	136
7343	Eridanus	8½		47	47.99	2.786	104	13	25.6	10,940	466
7344	Perseus	9		47	49.18	4.151	46	1	49.4	10,938	142
7345	Perseus	9½		47	50.47	3.876	54	17	8.7	10,937	130
7346	Perseus	7½		47	50.85	3.994	50	28	53.3	10,936	137
7347	Eridanus	8½		47	52.25	2.920	97	35	17.5	10,935	248
7348	Camelopardus .	5½		47	52.92	4.905	31	25	6.3	10,934	380
7349	Camelopardus .	5		47	53.02	4.905	31	25	2.4	10,934	381
7350	Taurus	8		47	54.92	3.572	65	53	1.3	10,932	575
7351	Taurus	8		47	55.70	3.572	65	52	55.8	10,930	196
7352	Perseus	9		47	57.26	3.988	50	40	35.5	10,928	137
7353	Perseus	7		47	58.75	4.269	43	4	7.1	10,927	389
7354	Eridanus	7		48	0.54	2.528	115	45	27.5	10,924	564
7355	Perseus	8½		48	0.95	3.940	52	12	0.7	10,924	123
7356	Eridanus	9		48	2.22	3.086	89	8	18.2	10,923	47
7357	Eridanus	8½		48	2.53	3.087	89	8	20.7	10,922	49
7358	Eridanus	8		48	3.70	2.866	100	17	9.4	10,921	246
7359	Camelopardus .	7½		48	4.43	5.470	25	2	40.5	10,920	379
7360	Eridanus	8	3	48	4.60	+2.680	109	8	24.1	-10,920	464

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7361	Perseus	9	3 48 5,30	+4,159	45 50 6,5	-10,919	142
7362	Taurus	8	48 7,21	3,494	69 16 18,0	10,916	33
7363	Eridanus	9	48 9,27	2,918	97 42 37,7	10,914	248
7364	Taurus	7	48 9,90	3,337	76 36 14,0	10,913	40
7365	Taurus	8	48 14,39	3,332	76 50 54,4	10,908	40
7366	Eridanus	8½	48 14,88	2,945	96 20 24,2	10,907	308
7367	Perseus	8½	48 18,30	3,767	58 9 30,5	10,903	312
7368	Perseus	8	48 19,69	3,949	51 54 46,5	10,901	123
7369	Perseus	8	48 22,31	3,992	50 35 18,6	10,898	137
7370	Eridanus	8½	48 25,75	2,921	97 31 32,1	10,894	248
7371	Camelopardus .	9	48 31,70	4,873	31 54 41,1	10,886	380
7372	Eridanus	8	48 35,58	3,006	93 14 0,7	10,882	250
7373	Eridanus	7½	48 35,65	3,006	93 14 3,0	10,882	311
7374	Camelopardus .	8½	48 36,62	5,292	26 49 15,7	10,880	379
7375	Eridanus	6½	48 42,01	2,986	94 14 52,9	10,874	311
7376	Eridanus .. γ	2	48 42,36	2,788	104 5 14,1	10,873	466
7377	Eridanus .. γ	2	48 42,84	2,788	104 5 9,1	10,873	245
7378	Camelopardus .	8	48 44,64	5,059	29 27 54,1	10,871	378
7379	Perseus	9	48 46,95	3,764	58 18 26,6	10,868	312
7380	Perseus	8½	48 47,94	4,330	41 43 57,8	10,867	376
7381	Taurus	9	48 54,19	3,643	62 59 44,8	10,859	139
7382	Camelopardus .	8	48 56,40	4,646	35 30 7,3	10,856	374
7383	Camelopardus .	7½	48 57,10	4,646	35 30 5,9	10,855	371
7384	Eridanus	6	49 1,48	2,951	96 2 30,5	10,850	308
7385	Taurus	8	49 2,59	3,475	70 9 47,9	10,849	33
7386	Taurus	7	49 5,58	3,539	67 22 25,2	10,845	36
7387	Taurus	6	49 5,65	3,539	67 22 26,3	10,845	31
7388	Taurus	8	49 5,68	3,539	67 22 25,3	10,845	196
7389	Taurus	9	49 5,88	3,539	67 22 29,3	10,845	196
7390	Camelopardus .	9½	49 7,80	4,642	35 35 14,5	10,842	374
7391	Perseus	8	49 10,71	3,965	51 28 33,3	10,839	123
7392	Taurus	7	49 12,25	3,408	73 16 42,6	10,837	195
7393	Taurus	6	49 12,37	3,408	73 16 47,4	10,837	193
7394	Taurus	8	49 12,62	3,644	62 57 42,9	10,836	314
7395	Taurus	6½	49 18,01	3,427	72 22 50,2	10,830	195
7396	Eridanus	9	49 20,03	2,754	105 40 41,4	10,827	557
7397	Taurus	8½	49 20,99	3,094	88 47 3,1	10,826	47
7398	Perseus	9	49 23,17	4,324	41 54 34,3	10,823	376
7399	Perseus	9	49 25,62	4,033	49 26 27,9	10,820	137
7400	Taurus	8	3 49 26,68	+3,336	76 41 1,6	-10,819	40

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			h m s	s			
7401	Perseus	3 49 28,25	+4,061	48° 38' 30,1	-10,817	4
7402	Taurus	8	49 28,69	3,369	75 5 55,7	10,817	193
7403	Taurus	6½	49 29,02	3,471	70 22 20,3	10,816	33
7404	Perseus	9½	49 35,45	3,728	59 42 11,5	10,808	136
7405	Camelopardus .	9	49 35,54	4,925	31 16 23,1	10,808	380
7406*	Taurus λ	4	49 36,94	3,258	78 5 5,7	10,806	41
7407	Eridanus	8	49 43,59	2,810	102 57 28,3	10,798	245
7408	Camelopardus .	9½	49 46,68	4,924	31 17 33,3	10,794	380
7409	Perseus	9	49 48,46	4,135	46 37 53,5	10,792	142
7410	Perseus .....	.	49 50,98	4,071	48 23 25,3	10,789	4
7411	Taurus	9	49 51,25	3,604	64 39 4,4	10,789	314
7412	Perseus .....	.	49 53,23	3,741	59 13 53,1	10,786	132
7413	Camelopardus .	9	49 54,53	5,175	28 10 9,4	10,785	378
7414	Perseus	8½	49 54,90	3,770	58 9 50,7	10,784	312
7415	Perseus .....	.	49 55,00	3,745	59 4 49,0	10,784	132
7416	Eridanus	9	49 55,68	2,953	95 5 59,7	10,783	311
7417	Taurus	8	49 59,55	3,658	62 26 43,7	10,779	139
7418	Eridanus	7½	50 1,08	2,559	114 22 38,9	10,777	563
7419	Perseus	7½	50 3,41	3,906	53 27 2,7	10,774	130
7420	Eridanus	8½	50 4,48	2,852	100 54 4,5	10,773	246
7421	Perseus	8	50 5,33	4,137	46 34 50,6	10,771	142
7422	Eridanus	6	50 7,16	2,806	103 9 6,1	10,769	466
7423	Eridanus	6	50 7,75	2,806	103 8 59,3	10,768	245
7424	Camelopardus .	8½	50 9,63	5,837	22 10 52,4	10,766	379
7425	Camelopardus .	8½	50 9,72	5,837	22 10 53,1	10,766	375
7426	Eridanus	8	50 10,41	2,752	105 43 0,5	10,765	557
7427	Taurus	9	50 13,02	3,604	64 39 11,5	10,762	204
7428	Taurus	8½	50 13,20	3,604	64 39 13,5	10,762	314
7429	Camelopardus .	9½	50 16,98	5,312	26 43 26,5	10,757	379
7430	Camelopardus .	9	50 20,52	5,173	28 13 33,6	10,753	378
7431	Taurus	8	50 20,73	3,466	70 38 45,2	10,753	33
7432	Camelopardus .	9	50 20,88	4,541	37 29 26,3	10,752	43
7433	Camelopardus .	9	50 21,61	5,172	28 13 55,6	10,751	378
7434	Taurus	8	50 28,64	3,523	68 8 42,9	10,743	36
7435	Taurus	8	50 37,03	3,605	64 38 59,5	10,732	204
7436	Taurus	8	50 37,20	3,605	64 38 57,5	10,732	314
7437	Eridanus	7½	50 37,32	2,638	110 54 39,3	10,732	560
7438	Camelopardus .	9	50 40,12	4,571	36 58 15,1	10,729	43
7439	Perseus	8½	50 42,61	3,983	51 3 9,7	10,725	137
7440	Eridanus	8	3 50 45,10	+2,809	102 59 49,8	-10,722	245

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7441	Perseus	9	3 50 45,27	+3,856	55 10 21,5	-10,722	134
7442	Eridanus	7½	50 46,58	2,692	108 29 15,4	10,721	464
7443	Perseus	9½	50 49,26	3,855	55 13 18,6	10,717	134
7444	Taurus	6	50 52,10	3,257	80 34 29,2	10,714	205
7445	Taurus	9½	50 52,21	3,372	75 1 48,9	10,714	193
7446	Perseus	9	50 56,85	4,037	49 27 46,4	10,708	137
7447	Camelopardus .	8	51 5,80	4,759	33 48 47,3	10,697	371
7448	Taurus	9	51 5,91	3,209	82 57 57,2	10,697	42
7449	Camelopardus .	8	51 5,99	4,596	36 32 52,7	10,697	374
7450	Eridanus	7	51 6,05	2,662	109 49 18,9	10,696	560
7451	Perseus	8	51 6,29	3,961	51 45 49,2	10,696	123
7452	Camelopardus .	9½	51 12,57	5,319	26 42 34,0	10,688	379
7453	Perseus	8	51 19,54	3,841	55 44 14,1	10,680	134
7454	Camelopardus .	8½	51 19,55	5,056	29 40 49,9	10,680	381
7455	Taurus	8½	51 20,05	3,674	61 54 19,6	10,679	139
7456	Eridanus .. r°	5½	51 24,29	2,551	114 35 31,4	10,674	563
7457	Eridanus	5	51 24,62	3,028	92 7 12,9	10,674	250
7458	Perseus	9	51 25,35	3,965	51 39 45,3	10,673	123
7459	Perseus	8	51 33,88	3,873	54 38 33,4	10,662	130
7460	Taurus	8½	51 36,16	3,583	65 37 0,8	10,659	575
7461	Camelopardus .	7	51 37,00	8,272	12 17 7,9	10,658	351
7462	Taurus	8½	51 37,83	3,661	62 26 14,1	10,658	139
7463	Camelopardus .	9	51 39,14	6,472	18 25 13,0	10,656	370
7464	Perseus	5	51 42,20	4,258	43 38 1,9	10,652	389
7465	Taurus	9½	51 44,28	3,376	74 52 49,9	10,649	193
7466	Perseus	8	51 50,56	3,909	53 28 21,3	10,642	130
7467	Taurus	9	51 53,45	3,351	76 4 59,9	10,638	206
7468	Perseus	9½	51 57,87	4,118	47 15 18,8	10,632	142
7469	Eridanus	8	51 59,17	2,703	107 56 4,0	10,631	464
7470	Perseus	7	52 2,20	3,779	57 59 31,9	10,627	312
7471	Eridanus	9	52 4,10	2,636	110 54 22,4	10,625	560
7472	Eridanus	8½	52 5,17	2,735	106 25 44,7	10,624	557
7473*	Perseus	9	52 5,77	4,113	47 24 2,0	10,623	142
7474	Perseus	9	52 6,26	3,995	50 46 55,0	10,622	137
7475	Taurus	7½	52 7,38	3,242	81 21 0,7	10,621	205
7476	Eridanus	8	52 8,78	2,628	111 17 23,6	10,619	558
7477	Eridanus	8	52 9,99	3,026	92 11 55,2	10,617	251
7478	Taurus	9	52 10,07	3,595	65 9 46,3	10,617	314
7479	Taurus	8½	52 11,97	3,221	82 25 32,7	10,615	42
7480	Taurus	8½	3 52 14,87	+3,494	69 29 39,3	-10,612	33

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7481	Taurus	8	3 52 16,56	+3,548	67 8 59,2	-10,609	575
7482	Eridanus	8	52 19,28	2,969	95 5 9,0	10,606	311
7483	Eridanus	8½	52 20,90	2,973	94 52 7,6	10,604	311
7484	Eridanus	5	52 22,37	3,053	90 49 17,1	10,603	49
7485	Eridanus	8	52 24,94	2,939	96 32 46,7	10,599	308
7486	Taurus	6	52 25,22	3,564	66 27 23,6	10,599	575
7487	Taurus	6	52 25,83	3,564	66 27 26,9	10,598	196
7488	Perseus	8½	52 27,62	3,931	52 48 10,8	10,596	123
7489	Eridanus	7	52 28,55	3,043	91 22 4,5	10,594	251
7490	Taurus v	4	52 31,88	3,177	84 34 35,1	10,590	46
7491	Taurus v	4½	52 31,94	3,177	84 34 34,9	10,590	202
7492*	Eridanus	7½	52 33,61	2,591	112 50 49,4	10,588	558
7493	Perseus	8	52 34,97	4,124	47 7 43,9	10,587	142
7494	Camelopardus .	7	52 37,37	4,987	30 38 41,6	10,584	381
7495	Taurus	8	52 39,94	3,615	64 20 40,9	10,580	204
7496	Eridanus	7	52 41,97	2,385	121 3 21,3	10,578	564
7497	Perseus	8	52 42,13	4,468	39 6 14,7	10,578	43
7498	Perseus	7½	52 44,70	3,827	56 18 58,1	10,574	134
7499	Eridanus	7	52 52,55	2,680	108 56 6,5	10,565	464
7500	Taurus	8½	52 53,07	3,597	65 7 15,2	10,564	314
7501	Taurus A¹	5½	52 53,23	3,518	68 28 36,0	10,564	33
7502	Taurus A¹	5	52 53,27	3,518	68 28 30,4	10,564	36
7503	Taurus	8	52 53,38	3,120	87 29 17,2	10,564	47
7504	Taurus A¹	4½	52 53,50	3,518	88 28 36,7	10,564	31
7505	Taurus	8	52 54,09	3,122	87 22 35,0	10,563	47
7506	Camelopardus .	8	52 54,63	5,877	22 2 35,6	10,562	375
7507	Camelopardus .	7½	52 55,02	5,877	22 2 36,9	10,562	379
7508	Camelopardus .	7½	52 55,18	4,890	31 59 25,7	10,562	380
7509	Taurus	8½	52 56,01	3,551	67 3 5,1	10,561	575
7510	Taurus	9	52 57,39	3,363	75 32 1,6	10,559	206
7511	Taurus .....	.	52 58,22	3,650	62 56 55,1	10,558	139
7512	Perseus	8	52 58,79	3,751	59 3 43,1	10,557	132
7513	Perseus	8	52 59,13	3,751	59 3 41,8	10,557	136
7514	Perseus	7	52 59,57	3,751	59 3 39,9	10,556	312
7515	Eridanus	8	53 1,21	2,488	117 5 12,4	10,554	564
7516	Perseus	9½	53 1,89	3,832	56 9 0,1	10,553	134
7517	Eridanus	7½	53 4,44	2,632	111 2 35,4	10,550	560
7518	Taurus	7	53 7,60	3,222	82 22 1,0	10,546	42
7519	Taurus	6½	53 9,12	3,167	85 7 38,2	10,544	202
7520	Taurus	6	3 53 9,13	+3,167	85 7 35,3	-10,544	46

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7521	Eridanus	7½	3 53 10,84	+2,619	111 35 17,2	-10,542	558
7522	Taurus	8	53 13,23	3,310	78 3 9,4	10,539	40
7523	Taurus	•	53 13,74	3,658	62 40 35,0	10,539	139
7524	Taurus	7	53 13,78	3,417	73 2 33,2	10,539	193
7525	Taurus	7½	53 13,93	3,417	73 2 35,5	10,538	195
7526	Eridanus	9	53 14,02	3,011	92 55 33,1	10,538	251
7527	Perseus	8	53 14,76	4,570	37 11 14,2	10,537	43
7528	Taurus	8	53 20,26	3,558	66 45 41,8	10,531	575
7529	Taurus	7	53 21,05	3,236	81 41 4,2	10,530	205
7530	Eridanus	8½	53 22,51	2,893	98 49 40,1	10,528	246
7531	Taurus A ²	7	53 30,50	3,517	68 32 31,8	10,518	36
7532	Taurus A ²	6	53 30,77	3,517	68 32 32,3	10,517	33
7533	Taurus A ²	6	53 31,43	3,517	68 32 32,1	10,516	31
7534	Taurus	9	53 32,52	3,518	68 29 49,7	10,515	36
7535	Perseus	9	53 32,87	4,122	47 16 26,4	10,515	142
7536	Taurus	8½	53 33,08	3,135	86 43 11,5	10,515	202
7537	Taurus	8½	53 33,51	3,518	68 29 52,0	10,514	31
7538	Eridanus	8½	53 34,94	2,920	97 28 38,4	10,512	248
7539	Camelopardus .	7½	53 39,31	4,654	35 42 59,3	10,507	374
7540	Taurus	7	53 43,15	3,115	87 43 33,0	10,502	47
7541	Camelopardus .	8½	53 48,76	6,033	21 2 0,0	10,495	375
7542	Eridanus	9½	53 48,92	2,940	96 29 8,9	10,495	308
7543	Perseus	9	53 50,60	3,957	52 5 58,5	10,492	123
7544	Camelopardus .	9	53 51,72	5,451	25 34 53,4	10,491	379
7545	Perseus	9½	53 53,90	4,032	49 49 9,7	10,488	137
7546	Perseus	9½	53 54,20	4,027	49 58 51,8	10,488	137
7547	Taurus	7	53 57,85	3,617	64 20 40,2	10,484	204
7548	Taurus	7½	53 58,26	3,617	64 20 37,9	10,483	314
7549	Perseus	7	53 58,79	3,777	58 10 13,4	10,483	312
7550	Eridanus	8	54 0,00	2,625	111 17 14,1	10,481	558
7551	Eridanus	8	54 0,67	2,625	111 17 5,3	10,480	560
7552	Taurus	9	54 3,11	3,327	77 15 42,6	10,477	40
7553	Perseus	8½	54 3,67	3,921	53 15 53,9	10,477	130
7554	Eridanus	8	54 7,05	2,630	111 4 6,6	10,472	560
7555	Eridanus	7	54 7,67	2,967	95 9 40,6	10,472	311
7556	Perseus	8	54 8,82	3,944	52 31 49,1	10,470	123
7557	Camelopardus .	9	54 8,99	5,016	30 22 19,2	10,470	381
7558	Eridanus	8	54 9,45	2,937	96 36 43,3	10,469	308
7559	Eridanus	7	54 9,81	2,582	113 9 8,4	10,469	563
7560	Perseus	8	3 54 10,32	+4,120	47 21 59,7	-10,468	142

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7561	Perseus	•	3 54 11,34	+3,808	57 6 20,4	-10,467	134
7562	Perseus c	5½	54 11,59	4,300	42 50 12,0	10,467	376
7563	Perseus	8	54 16,87	3,946	52 27 55,1	10,460	123
7564	Taurus	8	54 18,50	3,349	76 16 3,9	10,458	206
7565	Eridanus	9½	54 19,06	3,064	90 17 35,8	10,458	49
7566	Taurus	5½	54 21,87	3,652	62 57 6,7	10,454	314
7567	Taurus	5	54 21,90	3,652	62 57 6,5	10,454	139
7568	Perseus	7	54 22,34	4,121	47 21 28,1	10,453	4
7569	Perseus	7½	54 22,53	4,121	47 21 32,8	10,453	142
7570	Taurus	9	54 23,32	3,379	74 48 51,7	10,452	193
7571	Taurus	8	54 23,36	3,721	60 16 41,7	10,452	132
7572	Taurus	8	54 23,81	3,721	60 16 39,7	10,452	136
7573	Camelopardus .	8½	54 26,27	5,010	30 27 47,5	10,448	381
7574	Eridanus	8	54 28,24	2,461	118 3 6,2	10,446	564
7575	Taurus	8½	54 30,72	3,651	63 1 57,7	10,443	139
7576	Eridanus	8	54 33,40	2,609	111 58 51,2	10,440	558
7577	Eridanus	8½	54 35,29	2,907	98 5 0,5	10,437	248
7578	Eridanus	8½	54 36,28	2,820	102 18 24,8	10,436	245
7579	Eridanus	7	54 36,44	2,638	110 42 19,9	10,436	560
7580	Taurus	8	54 36,53	3,606	64 49 55,9	10,436	204
7581	Taurus	8	54 36,74	3,375	75 3 12,2	10,435	193
7582	Perseus	9	54 38,82	3,916	53 27 0,2	10,433	130
7583	Taurus ψ	6	54 39,72	3,689	61 33 5,4	10,432	139
7584	Perseus	8	54 40,51	4,060	49 3 34,6	10,431	4
7585	Eridanus	7½	54 41,02	2,931	96 53 51,2	10,430	308
7586	Taurus	•	54 42,71	3,554	67 2 5,9	10,428	575
7587	Taurus	7½	54 47,25	3,260	80 31 13,2	10,422	205
7588	Taurus	8½	54 47,26	3,517	68 35 51,6	10,422	31
7589	Taurus	8½	54 47,48	3,518	68 35 46,4	10,422	36
7590	Eridanus	7½	54 48,34	2,637	110 43 0,9	10,421	560
7591	Eridanus	8½	54 49,69	2,923	97 18 55,1	10,419	248
7592	Eridanus	7	54 50,15	3,010	92 58 53,7	10,419	251
7593	Eridanus	8½	54 50,52	2,931	96 53 44,2	10,418	308
7594	Eridanus	8	54 53,79	2,852	100 47 27,4	10,414	246
7595	Taurus	8	54 55,86	3,379	74 51 22,0	10,411	193
7596	Perseus	9	54 59,12	3,902	53 57 16,0	10,407	130
7597	Perseus	9	54 59,20	3,907	53 47 40,8	10,407	130
7598	Eridanus	7	55 0,49	2,536	115 1 11,1	10,406	563
7599	Eridanus	8½	55 0,88	2,636	110 46 44,4	10,405	560
7600	Eridanus	5½	3 55 1,56	+2,798	103 21 8,5	-10,404	466

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7601	Eridanus	6	3 55 2.63	+2,717	107 8 33.4	-10,403	464
7602	Eridanus	6	55 3.04	2,717	107 8 30.9	10,403	557
7603	Perseus	7	55 4.16	3,937	52 48 40.7	10,401	123
7604	Eridanus	7	55 4.63	3,038	91 33 57.5	10,400	251
7605	Eridanus	8	55 4.64	2,767	104 49 16.1	10,400	466
7606	Eridanus	8½	55 5.74	2,602	112 13 40.8	10,399	558
7607	Taurus	8	55 9.24	3,352	76 9 14.1	10,395	206
7608	Taurus . . . . .	.	55 12.67	3,550	67 14 5.1	10,391	575
7609	Eridanus	6½	55 12.77	2,502	116 24 30.9	10,390	564
7610	Perseus	9	55 14.27	4,001	50 50 6.1	10,388	137
7611	Eridanus	9	55 18.38	3,034	91 48 6.1	10,383	251
7612	Perseus	7	55 18.47	4,063	49 2 35.9	10,383	4
7613	Perseus	6	55 19.37	3,948	52 29 50.4	10,382	123
7614	Taurus	9	55 20.15	3,148	85 4 50.8	10,381	202
7615	Camelopardus .	9	55 20.91	4,917	31 46 18.0	10,380	380
7616	Eridanus	9	55 20.97	2,819	102 21 54.2	10,380	245
7617	Taurus	9½	55 24.50	3,502	69 17 17.2	10,376	33
7618	Taurus	8½	55 25.03	3,229	82 3 18.9	10,375	42
7619	Camelopardus .	6½	55 25.08	7,523	14 24 50.3	10,375	352
7620	Eridanus	8½	55 26.27	2,909	97 59 40.5	10,374	248
7621	Eridanus	8	55 27.81	2,930	96 57 49.6	10,372	308
7622	Taurus	9	55 28.14	3,153	85 51 24.4	10,371	202
7623	Eridanus	8½	55 30.46	2,819	102 21 18.2	10,368	245
7624	Eridanus	8½	55 31.14	2,872	99 48 59.7	10,367	246
7625	Eridanus	8	55 32.52	2,931	96 53 43.4	10,366	308
7626	Perseus	8	55 36.84	3,783	58 5 16.5	10,360	312
7627	Perseus	8	55 41.78	4,018	50 22 38.8	10,354	137
7628	Camelopardus .	9	55 46.73	4,970	31 5 26.7	10,348	380
7629	Eridanus	8	55 47.99	2,906	98 9 4.0	10,346	248
7630	Perseus . . . . .	.	55 50.27	3,819	56 49 6.6	10,344	134
7631	Perseus . . . . .	.	55 51.29	3,758	59 1 4.0	10,342	136
7632	Eridanus	6½	55 53.84	2,631	110 56 7.7	10,339	460
7633	Taurus	9½	56 0.75	3,340	76 44 5.0	10,330	206
7634	Camelopardus .	9	56 3.85	6,566	18 7 5.4	10,327	370
7635	Perseus	9	56 6.61	3,899	54 7 1.5	10,323	130
7636	Taurus	8	56 6.96	3,308	78 16 53.1	10,323	311
7637	Taurus	9	56 6.96	3,308	78 16 47.0	10,323	40
7638	Taurus	9	56 7.72	3,223	82 21 28.3	10,322	42
7639	Taurus	8	56 9.55	3,334	77 0 40.4	10,319	206
7640	Taurus	9	3 56 10.51	+3,277	79 44 47.5	-10,318	205

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			h	m	s		°	'	"		
7641	Taurus	9	3	56	14.14	+3.157	85	39	33.2	-10.314	202
7642	Taurus	9		56	20.69	3.090	88	59	36.5	10.306	47
7643	Eridanus	7		56	22.55	2.850	100	50	43.0	10.303	246
7644	Perseus	9		56	24.42	4.215	45	2	53.8	10.301	142
7645	Eridanus	8½		56	28.68	2.606	112	0	21.6	10.296	558
7646	Taurus	8		56	32.04	3.399	74	0	54.0	10.291	193
7647	Taurus	7		56	32.80	3.613	64	40	3.2	10.290	204
7648	Eridanus	8½		56	33.03	2.751	105	30	29.7	10.290	557
7649	Taurus	6		56	33.14	3.416	73	12	18.6	10.290	193
7650	Taurus	7½		56	33.20	3.613	64	40	6.5	10.290	314
7651	Taurus	6		56	33.33	3.416	73	12	19.9	10.290	195
7652	Eridanus	9		56	35.67	3.020	92	27	48.0	10.287	251
7653	Perseus	8½		56	38.64	3.822	56	46	32.8	10.283	134
7654	Perseus	8		56	39.70	3.887	54	33	44.2	10.282	130
7655	Taurus	8		56	43.92	3.469	70	48	24.3	10.276	33
7656	Perseus	9		56	46.40	3.735	59	54	5.1	10.273	132
7657	Perseus	9		56	46.42	3.736	59	54	2.2	10.273	136
7658	Eridanus	8		56	48.08	2.756	105	16	37.5	10.271	557
7659	Eridanus	8		56	48.23	2.756	105	16	43.4	10.271	466
7660	Perseus	9		56	53.04	3.828	56	34	1.8	10.265	134
7661	Taurus	7½		56	54.85	3.565	66	40	24.7	10.263	196
7662	Perseus	8		56	57.87	4.214	45	7	59.1	10.259	142
7663	Perseus	8½		56	59.01	4.213	45	8	9.4	10.257	315
7664	Taurus	7½		57	0.70	3.547	67	26	39.7	10.255	36
7665	Perseus	7½		57	0.70	3.763	58	53	44.4	10.255	136
7666	Eridanus	6½		57	0.73	2.627	111	3	47.2	10.255	558
7667	Taurus	7½		57	0.89	3.547	67	26	40.9	10.255	31
7668	Eridanus	6½		57	1.06	2.627	111	3	46.8	10.255	460
7669	Perseus	7		57	1.70	3.763	58	53	38.4	10.254	312
7670	Taurus	9½		57	7.66	3.335	77	1	10.7	10.247	206
7671	Taurus	8		57	12.83	3.416	73	14	55.1	10.240	195
7672	Eridanus	8½		57	17.95	3.011	92	54	52.1	10.234	251
7673	Perseus	8½		57	18.66	3.967	52	3	5.7	10.233	123
7674	Perseus	8½		57	21.52	4.174	46	10	27.9	10.229	142
7675	Taurus	8½		57	22.15	3.145	86	14	48.7	10.229	202
7676	Eridanus	6		57	23.07	2.452	118	13	28.3	10.227	564
7677	Taurus	8		57	23.47	3.416	73	14	58.0	10.227	193
7678	Perseus	9		57	23.76	4.042	49	47	17.9	10.227	138
7679	Taurus	7½		57	23.84	3.566	66	40	20.5	10.226	575
7680	Eridanus	8	3	57	25.16	+2.649	110	3	41.1	-10.225	560

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7681	Eridanus	8½	3 57 29,82	+2,998	93 33 36,5	-10,219	574
7682	Eridanus	6½	57 30,08	2,856	100 32 18,0	10,219	246
7683	Perseus	•	57 31,10	4,078	48 47 16,8	10,217	4
7684	Taurus .. ∞¹	5½	57 31,99	3,467	70 55 49,2	10,216	33
7685	Eridanus	6½	57 38,71	2,682	108 35 43,0	10,208	464
7686	Eridanus	7	57 39,36	2,682	108 35 53,6	10,207	561
7687	Eridanus	6½	57 40,49	2,937	96 33 15,8	10,205	308
7688	Perseus	9½	57 40,70	4,038	49 56 41,1	10,205	138
7689	Eridanus	6½	57 42,69	2,860	100 18 7,2	10,203	246
7690	Eridanus	9	57 42,70	2,918	97 29 54,4	10,203	248
7691	Taurus	7½	57 45,80	3,571	66 27 58,2	10,199	575
7692	Taurus	9½	57 46,11	3,737	59 53 27,5	10,198	136
7693	Taurus	8	57 46,19	3,571	66 27 54,7	10,198	196
7694	Taurus	9½	57 46,51	3,738	59 53 24,4	10,198	132
7695	Taurus	8	57 47,25	3,264	80 26 33,0	10,197	205
7696	Taurus	9	57 49,17	3,451	71 38 0,7	10,195	195
7697	Perseus	8	57 50,78	4,049	49 37 15,9	10,193	138
7698	Taurus	6½	57 51,97	3,332	77 8 36,8	10,191	40
7699	Taurus	6	57 52,20	3,333	77 8 32,9	10,191	311
7700	Eridanus	7½	57 52,21	2,728	106 32 1,7	10,191	557
7701	Taurus	6	57 52,30	3,333	77 8 30,0	10,191	206
7702	Taurus	9½	57 56,93	3,414	73 22 38,3	10,185	193
7703	Eridanus	8½	57 58,27	2,684	108 30 24,5	10,183	464
7704	Eridanus	8½	57 59,12	2,684	108 30 32,9	10,182	561
7705	Eridanus	8½	58 1,50	2,799	103 12 24,6	10,179	562
7706*	Eridanus	8½	58 1,59	2,799	103 12 22,1	10,179	466
7707	Eridanus	8½	58 1,59	2,974	94 43 41,5	10,179	574
7708	Perseus	9	58 4,26	3,888	54 36 32,8	10,176	130
7709	Taurus	8½	58 10,04	3,278	79 46 33,2	10,168	205
7710	Perseus	6½	58 10,67	3,820	56 56 58,6	10,168	134
7711	Eridanus	7	58 19,24	2,591	112 32 21,3	10,157	558
7712	Taurus	9	58 19,45	3,570	66 33 20,3	10,156	575
7713	Taurus	8	58 19,46	3,570	66 33 18,9	10,156	196
7714	Camelopardus .	8½	58 24,54	5,731	23 25 49,4	10,150	379
7715	Eridanus	8½	58 25,54	3,075	89 45 21,5	10,149	49
7716	Eridanus	9	58 36,14	2,978	94 33 36,0	10,136	574
7717	Taurus p	5½	58 40,29	3,631	64 3 12,2	10,130	204
7718	Taurus p	6	58 40,57	3,629	64 3 15,3	10,130	314
7719	Taurus	6	58 40,60	3,644	63 33 11,8	10,130	310
7720	Camelopardus .	9	3 58 41,22	+4,658	36 0 25,6	-10,129	374

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			h m s	s	° ' "	"	
7721	Camelopardus .	7½	3 58 41,75	+4,843	33 4 4,1	-10,128	371
7722	Camelopardus .	7	58 42,42	4,843	33 4 4,4	10,128	380
7723	Taurus	7½	58 46,17	3,195	83 48 37,6	10,123	46
7724	Taurus	9	58 53,01	3,279	79 44 18,3	10,114	205
7725	Eridanus	8	58 54,03	3,062	90 21 41,0	10,113	49
7726	Perseus	8½	58 57,26	4,378	41 26 8,3	10,109	376
7727	Perseus	8½	58 58,53	4,171	46 22 15,7	10,107	142
7728	Taurus	9	59 2,96	3,645	63 32 2,0	10,102	314
7729	Perseus	•	59 3,86	3,873	55 10 27,2	10,101	134
7730	Perseus	8	59 3,91	3,764	58 58 54,9	10,100	132
7731	Perseus	8	59 4,28	3,874	55 10 21,6	10,100	130
7732	Perseus	8	59 4,49	3,764	58 58 55,7	10,100	312
7733	Taurus	8½	59 4,51	3,280	79 41 26,4	10,100	205
7734	Perseus	9	59 6,19	3,946	52 49 31,0	10,098	123
7735	Perseus	8½	59 6,65	3,918	53 43 7,1	10,097	130
7736	Taurus	9	59 8,82	3,718	60 41 44,8	10,094	136
7737	Eridanus	7	59 8,96	2,882	99 13 33,3	10,094	246
7738	Taurus	7	59 9,31	3,443	72 6 39,9	10,094	195
7739	Perseus	8½	59 10,25	4,044	49 52 34,5	10,093	138
7740	Taurus	8	59 15,95	3,306	78 27 46,9	10,085	311
7741*	Taurus	9½	59 15,99	3,306	78 27 49,7	10,085	40
7742	Taurus	7	59 16,57	3,126	87 12 40,0	10,085	316
7743	Taurus	7½	59 16,64	3,126	87 12 36,4	10,084	47
7744	Taurus	6	59 16,65	3,126	87 12 37,3	10,084	202
7745	Eridanus	7½	59 18,56	2,699	107 47 33,4	10,082	561
7746	Perseus	9½	59 21,12	3,926	53 27 49,8	10,079	130
7747	Camelopardus .	7½	59 22,48	5,184	28 40 16,4	10,077	378
7748	Eridanus	8½	59 25,82	2,635	110 36 6,3	10,073	560
7749	Camelopardus .	9½	59 26,45	4,687	35 33 36,6	10,072	374
7750	Eridanus	8½	59 28,95	3,025	92 13 11,1	10,069	251
7751	Perseus	9	59 31,94	3,783	58 20 40,3	10,065	312
7752	Perseus	8½	59 32,11	4,034	50 10 9,9	10,065	138
7753	Taurus	7½	59 34,87	3,389	74 35 12,0	10,061	193
7754	Eridanus	8½	59 37,05	2,625	111 1 53,6	10,059	560
7755	Eridanus	8½	59 38,42	2,610	111 40 4,5	10,057	558
7756	Eridanus	8	59 39,53	2,897	98 27 50,2	10,056	248
7757	Perseus	7	59 43,68	3,956	52 33 28,0	10,050	123
7758	Perseus	8	59 46,22	3,972	52 3 15,5	10,047	123
7759	Taurus	9	59 49,87	3,593	65 41 32,3	10,042	575
7760	Camelopardus .	9	3 59 49,90	+5,182	28 43 30,6	-10,042	378

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			h m s	s	° ' "	"	
7761	Taurus	8½	3 59 49.92	+3,583	66 5 54.7	-10,042	575
7762	Eridanus	7	59 50.22	2,986	94 6 38.8	10,042	574
7763	Eridanus	8	59 51.25	2,683	108 29 0.6	10,041	464
7764	Taurus	8	59 51.33	3,382	74 54 23.6	10,041	193
7765	Eridanus	8	59 52.10	2,683	108 28 58.9	10,040	561
7766	Eridanus	7½	59 56.19	2,728	106 25 39.2	10,035	557
7767	Taurus	8	59 59.47	3,586	65 57 37.6	10,030	575
7768	Eridanus	8	3 59 59.64	2,898	98 26 11.0	10,030	469
7769	Eridanus	8	4 0 1.70	2,690	108 8 51.6	10,028	464
7770	Eridanus ...	7½	0 2.02	2,690	108 8 48.7	10,027	561
7771	Eridanus	9	0 2.10	2,812	102 31 39.8	10,027	562
7772	Eridanus	8½	0 2.97	2,717	106 56 42.2	10,026	557
7773	Perseus .....	.	0 7.45	4,197	45 46 24.6	10,020	142
7774	Camelopardus .	8½	0 8.52	5,848	22 38 2.6	10,019	375
7775	Perseus	9	0 10.17	3,828	56 47 3.0	10,017	134
7776	Eridanus	5	0 13.67	2,717	106 55 14.0	10,012	557
7777	Perseus	6½	0 15.04	3,794	57 59 40.2	10,011	312
7778	Perseus	8	0 15.34	4,013	50 50 40.8	10,010	138
7779	Perseus μ	6	0 15.74	4,352	42 6 51.0	10,010	376
7780	Eridanus	8	0 18.90	2,629	110 48 48.0	10,006	560
7781	Eridanus	8	0 19.06	2,747	105 33 39.3	10,006	557
7782	Perseus .....	.	0 21.21	3,831	56 41 23.0	10,003	134
7783	Perseus	8	0 22.84	3,880	55 3 0.8	10,001	130
7784	Eridanus	8	0 23.77	2,800	103 5 44.2	10,000	562
7785	Eridanus	8	0 25.15	2,619	111 14 18.4	9,998	560
7786	Eridanus	8½	0 25.18	2,619	111 14 24.4	9,998	558
7787	Eridanus	8	0 26.44	2,898	98 26 7.2	9,996	248
7788	Eridanus	7½	0 27.97	2,693	108 0 27.6	9,994	464
7789	Eridanus	8	0 28.48	2,693	108 0 27.9	9,994	561
7790	Taurus	7½	0 28.88	3,563	66 57 7.7	9,993	31
7791	Eridanus	8½	0 33.98	2,692	108 2 19.8	9,987	464
7792	Eridanus	8½	0 34.49	2,692	108 2 28.1	9,986	561
7793	Camelopardus .	9	0 35.17	4,837	33 16 46.4	9,985	371
7794	Eridanus	6	0 37.43	2,918	97 27 26.0	9,982	465
7795	Eridanus	6	0 37.48	2,918	97 27 23.1	9,982	248
7796	Eridanus	6	0 37.89	2,918	97 27 18.1	9,982	308
7797	Camelopardus .	6½	0 40.37	4,880	32 39 24.0	9,979	380
7798	Taurus	6	0 42.11	3,171	85 0 31.3	9,977	46
7799	Taurus	6½	0 42.35	3,171	85 0 31.5	9,976	202
7800	Taurus	8	4 0 45.95	+3,106	88 12 42.1	-9,972	47

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7801	Taurus	7½	4 0 46,34	+3,106	88 12 39,1	-9,971	316
7802	Taurus	8	0 47,56	3,562	67 0 20,5	9,970	575
7803	Taurus	7½	0 47,58	3,563	66 57 8,4	9,970	575
7804	Eridanus	7½	0 50,10	2,960	95 23 56,0	9,966	574
7805	Taurus	9	0 50,64	3,561	67 0 23,4	9,965	196
7806	Taurus	8½	0 50,66	3,562	67 0 14,9	9,965	31
7807	Camelopardus .	8½	0 57,79	5,393	26 33 17,6	9,956	379
7808	Taurus	8	0 59,64	3,703	61 24 9,4	9,954	314
7809	Taurus	8½	0 59,80	3,703	61 24 7,5	9,954	139
7810*	Perseus	8½	1 0,12	4,263	44 12 31,3	9,954	315
7811	Taurus	6	1 0,50	3,536	61 6 43,6	9,954	36
7812	Camelopardus .	7½	1 3,36	4,835	33 20 22,8	9,949	371
7813	Taurus	7	1 3,87	3,419	73 14 52,4	9,949	195
7814	Taurus	9	1 4,22	3,167	85 12 16,9	9,949	46
7815	Eridanus	7½	1 6,47	2,658	109 32 9,4	9,946	560
7816	Taurus	8½	1 6,63	3,167	85 12 18,8	9,945	202
7817	Perseus	8	1 7,45	4,201	45 45 5,0	9,945	142
7818	Perseus	9½	1 9,58	4,198	45 49 31,1	9,941	142
7819	Eridanus	6	1 10,09	2,878	99 21 1,3	9,940	246
7820	Camelopardus .	6	1 10,85	4,616	36 54 27,1	9,940	374
7821	Taurus	8½	1 12,35	3,470	70 59 11,5	9,938	33
7822	Camelopardus .	8	1 14,96	4,943	31 48 32,6	9,935	380
7823	Eridanus	8	1 17,17	2,826	101 51 49,0	9,932	562
7824	Eridanus	8	1 17,18	2,826	101 51 43,5	9,932	245
7825	Perseus ....f	5½	1 18,96	4,043	50 2 12,4	9,930	138
7826	Eridanus	7	1 19,89	3,050	90 57 4,3	9,929	49
7827	Eridanus	6	1 20,15	3,050	90 57 6,7	9,928	251
7828	Taurus	8½	1 23,17	3,256	80 52 34,2	9,924	42
7829	Taurus	9	1 23,54	3,256	80 52 35,8	9,924	205
7830	Camelopardus .	8	1 26,31	5,081	30 1 14,3	9,920	381
7831	Eridanus	7	1 34,93	2,513	115 34 28,5	9,910	564
7832	Perseus	7	1 37,16	3,947	52 58 44,0	9,907	123
7833	Perseus	8½	1 39,43	4,199	45 50 1,3	9,904	142
7834	Eridanus	7½	1 44,31	2,760	104 53 35,2	9,898	466
7835	Camelopardus .	8½	1 45,55	5,175	28 55 36,1	9,897	378
7836	Taurus	8	1 46,98	3,288	79 21 9,4	9,895	311
7837	Perseus	8½	1 48,14	4,258	44 23 7,6	9,893	315
7838	Perseus	8	1 50,21	3,914	54 0 59,2	9,891	130
7839	Perseus	9	1 50,87	4,094	48 39 7,1	9,891	5
7840	Camelopardus .	6	4 1 58,69	+5,524	25 22 3,9	-9,880	379

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7841	Camelopardus .	7	4	1	58,84	+5,524	25	22	4,6	-9,879	380
7842	Eridanus .. 0	3½		2	5,33	2,919	97	22	4,5	9,871	245
7843	Eridanus .. 0	4		2	6,29	2,919	97	22	7,0	9,870	248
7844	Eridanus .. 0	4		2	6,64	2,919	97	22	8,6	9,869	465
7845	Eridanus .. 0	3½		2	6,77	2,919	97	22	7,2	9,869	308
7846	Taurus	7½		2	9,04	3,161	85	29	35,6	9,866	465
7847	Taurus	8		2	9,70	3,161	85	29	37,9	9,865	46
7848	Camelopardus .	9½		2	10,35	5,498	25	37	9,2	9,865	379
7849	Taurus	8½		2	12,47	3,674	62	33	34,7	9,862	314
7850	Taurus .....	.		2	12,82	3,674	62	33	40,0	9,861	139
7851	Camelopardus .	8½		2	14,04	5,843	22	46	33,8	9,860	375
7852	Camelopardus .	9		2	15,64	4,590	37	27	37,0	9,858	43
7853	Eridanus	6½		2	18,14	2,878	99	21	49,6	9,855	246
7854	Eridanus	7½		2	19,50	2,725	106	29	39,7	9,853	557
7855	Eridanus	8		2	20,50	2,503	115	56	43,7	9,852	564
7856	Eridanus	7½		2	22,44	2,511	115	37	13,2	9,849	564
7857	Taurus	7½		2	23,40	3,631	64	15	34,5	9,848	204
7858	Eridanus	7		2	25,19	2,976	94	36	17,7	9,846	574
7859	Taurus	7		2	29,22	3,569	66	49	21,2	9,841	575
7860	Taurus	8		2	29,46	3,571	66	44	19,6	9,840	196
7861	Eridanus	8		2	29,69	3,008	93	2	30,6	9,840	251
7862	Taurus	8		2	33,66	3,566	66	56	31,3	9,835	575
7863	Taurus	9		2	33,94	3,566	66	56	32,9	9,835	196
7864	Taurus	7½		2	38,03	3,539	68	3	55,3	9,830	31
7865	Taurus	7		2	38,25	3,539	68	3	56,1	9,829	36
7866	Taurus	7		2	38,46	3,269	80	18	31,3	9,829	205
7867	Taurus	7½		2	38,62	3,726	60	36	23,0	9,829	136
7868	Taurus	7½		2	38,69	3,726	60	36	22,9	9,829	132
7869	Eridanus	8		2	39,90	2,843	100	59	19,4	9,827	562
7870	Taurus	9		2	40,66	3,457	71	37	29,3	9,826	195
7871	Taurus	7½		2	40,78	3,241	81	37	43,0	9,826	42
7872	Taurus	7		2	42,89	3,322	77	46	4,6	9,823	311
7873	Eridanus	9		2	47,94	2,625	110	52	10,6	9,817	560
7874	Eridanus	6½		2	49,95	2,625	110	53	8,7	9,815	560
7875	Eridanus	8		2	54,50	2,775	104	9	44,0	9,809	466
7876	Taurus	8½		2	54,65	3,139	86	37	13,6	9,809	465
7877	Perseus	9		2	55,47	4,266	44	16	59,3	9,809	40
7878	Perseus	9		2	55,85	4,266	44	17	0,7	9,806	315
7879	Taurus	8½		2	57,88	3,118	87	39	4,4	9,804	316
7880	Eridanus	6	4	2	59,08	+2,695	107	47	38,6	-9,803	464

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7881	Perseus	8	4	2	59.47	+4,265	44 17 44.3	-9,802	40
7882	Perseus	8		2	59.52	4,266	44 17 41.7	9,802	315
7883	Eridanus	6		2	59.65	2,695	107 47 46.6	9,802	562
7884	Eridanus	8		3	0.67	2,971	94 50 3.5	9,801	574
7885	Eridanus	8		3	2.44	2,841	101 5 15.8	9,798	562
7886	Eridanus	9		3	2.68	2,600	111 56 33.6	9,798	558
7887	Eridanus	8½		3	2.84	2,841	101 5 15.8	9,798	246
7888	Taurus	6½		3	4.42	3,249	81 15 20.6	9,795	42
7889	Camelopardus .	9		3	7.09	4,589	37 32 20.4	9,793	43
7890	Camelopardus .	9		3	7.14	4,619	36 59 41.4	9,793	374
7891	Perseus	8		3	7.20	4,032	50 29 13.5	9,792	138
7892	Taurus	7		3	8.04	3,314	78 10 5.2	9,791	311
7893	Taurus	8		3	8.22	3,768	59 7 3.4	9,790	312
7894	Perseus	9		3	9.30	3,925	53 46 46.5	9,790	130
7895	Eridanus	6½		3	9.31	2,928	96 54 13.9	9,790	308
7896	Perseus	8		3	11.89	3,868	55 38 44.0	9,786	134
7897	Camelopardus .	8½		3	13.54	6,053	21 22 7.7	9,784	375
7898	Eridanus	7½		3	14.58	2,980	94 24 26.4	9,783	574
7899	Perseus	7½		3	16.19	3,776	58 49 11.2	9,781	312
7900	Perseus	9		3	19.28	3,777	58 48 33.2	9,777	312
7901	Taurus	8½		3	19.91	3,316	78 4 59.1	9,776	311
7902	Eridanus	8½		3	20.68	2,972	94 47 36.4	9,775	574
7903	Perseus	8		3	24.23	3,918	53 59 55.8	9,770	130
7904	Taurus	9		3	25.45	3,579	66 26 18.1	9,769	196
7905	Eridanus	6		3	29.55	3,036	91 40 8.8	9,764	251
7906	Taurus	8		3	31.78	3,731	60 28 29.0	9,761	132
7907	Taurus	8		3	32.03	3,731	60 28 29.2	9,761	136
7908	Perseus	8½		3	32.27	4,053	49 54 51.1	9,760	138
7909	Perseus	9		3	35.63	3,909	54 17 59.1	9,757	130
7910	Taurus	6		3	41.19	3,265	80 30 20.9	9,749	205
7911	Perseus	9		3	45.79	4,242	44 54 25.2	9,743	315
7912	Eridanus	7½		3	58.90	2,844	100 54 25.2	9,726	562
7913	Eridanus	7½		3	59.85	2,844	100 54 9.3	9,725	246
7914	Eridanus	8		4	0.74	2,804	102 48 48.3	9,724	562
7915	Perseus	8		4	2.43	4,167	46 49 24.9	9,722	142
7916	Taurus	9		4	2.55	3,281	79 46 5.0	9,722	205
7917	Taurus	8		4	4.83	3,093	88 51 25.8	9,718	316
7918	Taurus	8		4	5.50	3,093	88 51 25.2	9,718	49
7919	Perseus		4	11.20	3,822	57 15 42.9	9,711	134
7920	Eridanus	8	4	4	11.38	+3,026	92 8 24.1	-9,710	251

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7921	Camelopardus .	9	4	4	15.04	+5,121	29 42 35.7	-9,706	381
7922	Perseus	6½		4	19.77	4,110	48 21 53.2	9,701	5
7923	Taurus	9		4	20.47	3,128	87 8 40.8	9,699	316
7924	Camelopardus .	8½		4	25.47	5,886	22 34 17.0	9,693	375
7925	Camelopardus .	8½		4	25.49	5,857	22 47 2.2	9,693	375
7926	Taurus	6		4	25.80	3,381	75 6 41.5	9,692	193
7927	Taurus	7		4	25.88	3,381	75 6 40.4	9,692	206
7928	Camelopardus .	5		4	29.96	5,118	29 45 33.9	9,687	381
7929	Perseus	8		4	30.68	4,170	46 46 44.9	9,686	142
7930	Taurus	8		4	30.78	3,637	64 9 13.0	9,686	204
7931	Eridanus	7		4	31.55	2,557	113 38 33.9	9,685	558
7932	Eridanus	7		4	31.66	2,557	113 38 41.3	9,685	563
7933	Taurus	8		4	38.08	3,140	86 33 25.7	9,677	465
7934	Taurus	8		4	38.42	3,140	86 33 19.8	9,676	202
7935	Eridanus	9		4	39.92	2,916	97 29 21.6	9,674	465
7936	Taurus	7½		4	40.01	3,126	87 16 5.0	9,674	316
7937*	Taurus μ	5		4	40.88	3,242	81 37 9.0	9,674	42
7938	Perseus	9		4	46.35	3,847	56 27 19.4	9,666	134
7939	Taurus	7½		4	47.62	3,186	84 18 25.1	9,665	46
7940	Eridanus	8		4	48.94	3,039	91 30 40.8	9,663	251
7941	Camelopardus	8		4	48.93	4,821	33 47 25.6	9,663	371
7942	Eridanus	8½		4	50.44	2,676	108 34 15.9	9,661	562
7943	Taurus	7		4	51.52	3,186	84 19 8.2	9,658	46
7944	Eridanus .. A	5		4	52.54	2,846	100 45 38.6	9,658	245
7945	Eridanus .. A	6		4	52.59	2,847	100 45 49.5	9,658	562
7946	Eridanus .. A	5		4	53.32	2,847	100 45 36.1	9,657	246
7947	Eridanus	7½		4	55.13	2,418	119 3 39.5	9,655	564
7948	Taurus	7½		4	56.43	3,141	86 30 11.6	9,654	465
7949	Taurus	7½		4	56.65	3,141	86 30 15.8	9,653	202
7950	Eridanus	7		4	58.10	2,722	106 30 29.9	9,650	557
7951	Camelopardus .	9		4	59.92	5,555	25 15 16.5	9,648	379
7952	Eridanus	9		5	2.06	3,034	91 44 3.4	9,646	251
7953	Camelopardus .	9		5	4.28	4,746	34 58 11.4	9,642	374
7954	Perseus	9		5	5.71	3,956	52 55 40.2	9,640	123
7955	Perseus	6½		5	6.52	4,488	39 35 0.9	9,640	43
7956	Camelopardus .	9		5	8.16	4,745	34 59 41.5	9,638	374
7957	Eridanus	8½		5	13.37	2,996	93 34 54.2	9,631	574
7958	Taurus	9½		5	14.29	3,246	81 28 10.6	9,629	42
7959	Eridanus		5	16.67	2,496	116 2 43.2	9,627	564
7960	Eridanus	8½	4	5	16.86	+2,840	101 4 53.5	-9,627	246

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7961	Perseus	8	4 5 18.21	+3,933	53 38 43.1	-9,625	130
7962	Taurus	5 22.47	3,476	70 54 37.3	9,620	33
7963	Taurus	8	5 22.72	3,478	70 49 37.6	9,619	195
7964	Perseus	7½	5 23.01	4,122	48 7 18.5	9,618	5
7965	Perseus	8	5 25.58	3,907	54 29 35.0	9,616	130
7966	Perseus	9	5 25.77	3,842	56 39 19.8	9,616	134
7967	Taurus	7	5 26.58	3,400	74 17 35.4	9,614	193
7968	Perseus	9	5 28.96	4,070	49 33 18.5	9,611	138
7969	Perseus	8	5 30.14	3,800	58 6 42.9	9,610	312
7970	Eridanus	8½	5 31.36	2,762	104 40 11.6	9,608	466
7971	Taurus .. ω²	5½	5 33.71	3,499	69 55 34.8	9,605	33
7972	Perseus	8½	5 34.39	4,072	49 29 50.4	9,604	138
7973	Eridanus	9	5 36.41	3,027	92 5 18.4	9,602	251
7974	Perseus	9	5 36.89	4,500	39 23 12.0	9,601	43
7975	Camelopardus .	7	5 39.43	4,811	33 59 35.4	9,598	371
7976	Eridanus	7½	5 44.67	2,529	114 43 3.2	9,591	563
7977	Camelopardus .	9	5 45.40	4,640	36 47 49.9	9,591	374
7978	Eridanus	8	5 45.75	3,069	90 3 17.5	9,590	49
7979	Eridanus	8½	5 46.10	2,987	94 2 24.4	9,589	574
7980	Eridanus	8½	5 50.57	3,071	89 54 41.1	9,583	49
7981	Taurus	9	5 51.07	3,151	86 3 5.3	9,583	202
7982	Eridanus	6½	5 56.24	2,717	106 41 21.1	9,576	557
7983	Camelopardus .	7	5 57.90	5,035	30 52 32.6	9,574	380
7984	Camelopardus .	7	5 58.13	5,035	30 52 37.9	9,574	381
7985	Taurus	8½	5 59.65	3,541	68 8 57.6	9,572	36
7986	Taurus	9	5 59.82	3,476	70 56 35.1	9,572	195
7987	Taurus	8½	6 3.49	3,409	73 54 58.8	9,568	193
7988	Eridanus .. d	5½	6 3.98	2,905	97 58 15.3	9,567	465
7989	Eridanus .. d	5	6 4.53	2,905	97 58 8.5	9,566	245
7990	Eridanus .. d	5	6 4.96	2,905	97 58 14.8	9,566	308
7991	Eridanus	8	6 5.60	2,880	99 8 39.9	9,566	246
7992	Eridanus	8½	6 8.71	2,715	106 47 17.6	9,561	557
7993	Perseus	8½	6 10.88	4,037	50 35 7.6	9,558	138
7994	Perseus	8	6 11.25	3,972	52 30 8.1	9,557	123
7995	Eridanus	9	6 11.88	2,995	93 38 26.3	9,556	574
7996	Perseus .....	.	6 13.59	4,170	46 53 55.7	9,554	142
7997	Taurus	8	6 19.59	3,153	85 57 42.9	9,546	465
7998	Taurus	8	6 20.15	3,153	85 57 51.2	9,546	202
7999	Taurus	8	6 21.21	3,552	67 41 41.5	9,545	31
8000	Perseus	9½	4 6 23.08	+3,830	57 8 5.5	-9,542	134

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8001	Taurus	8	4 6 23,15	+3,606	65 29 56,6	-9,542	575
8002	Eridanus	6½	6 23,72	2,711	106 57 12,6	9,541	557
8003	Camelopardus .	9	6 26,51	5,918	22 26 43,0	9,538	375
8004	Perseus	6	6 27,38	4,104	48 41 24,8	9,537	5
8005	Camelopardus .	8	6 27,81	5,240	28 27 25,4	9,536	378
8006	Taurus	8	6 30,39	3,348	76 40 13,0	9,532	206
8007	Perseus	9	6 31,83	3,932	53 46 50,6	9,530	130
8008	Camelopardus .	8½	6 33,43	5,047	30 45 34,9	9,528	380
8009	Camelopardus .	9	6 33,53	5,047	30 45 36,1	9,528	381
8010	Taurus	5½	6 33,72	3,523	68 55 18,7	9,528	33
8011	Taurus	5	6 34,17	3,523	68 55 18,5	9,528	31
8012	Perseus . . . . .	.	6 34,52	4,157	47 15 40,1	9,528	142
8013	Eridanus	9	6 36,81	3,036	91 39 2,8	9,524	251
8014	Taurus	7½	6 36,85	3,163	85 28 45,0	9,524	465
8015	Perseus	8	6 37,08	4,245	45 1 47,5	9,524	40
8016	Perseus	8½	6 41,97	4,034	50 40 1,8	9,518	138
8017	Eridanus	9	6 45,37	2,995	93 37 38,2	9,513	574
8018	Eridanus	8	6 48,12	2,920	97 13 59,8	9,510	308
8019	Eridanus	7	6 52,35	2,661	109 8 57,6	9,504	560
8020	Taurus	7½	6 53,78	3,111	87 58 24,7	9,502	316
8021	Eridanus	8½	6 54,21	2,744	105 26 7,1	9,502	466
8022	Taurus	8	6 54,66	3,761	59 36 53,4	9,502	136
8023	Taurus . . . . .	.	6 54,66	3,760	59 36 55,3	9,501	132
8024	Perseus	9	6 58,33	4,500	39 28 41,7	9,497	43
8025	Taurus	7½	7 3,87	3,583	66 28 9,5	9,490	575
8026	Taurus	8	7 4,48	3,583	66 28 7,6	9,488	196
8027	Eridanus	8	7 4,60	2,849	100 35 31,9	9,488	246
8028	Eridanus	8½	7 7,53	2,766	104 26 15,7	9,485	466
8029	Perseus d	6	7 8,08	4,290	43 59 43,2	9,484	315
8030	Perseus d	5	7 8,10	4,290	43 59 41,6	9,484	40
8031	Taurus	9	7 8,31	3,437	72 41 22,5	9,484	195
8032	Eridanus	7	7 14,75	2,551	113 44 49,3	9,475	558
8033	Eridanus	7	7 15,91	2,578	112 39 25,0	9,473	558
8034	Perseus	8½	7 16,05	4,549	38 32 58,0	9,473	44
8035	Eridanus	7	7 21,98	2,678	108 22 56,9	9,466	562
8036	Taurus	9	7 26,73	3,768	59 20 48,5	9,460	136
8037	Eridanus	9	7 26,80	3,041	91 23 53,2	9,460	251
8038	Taurus	9	7 26,85	3,768	59 20 47,2	9,460	132
8039	Perseus	6	7 26,92	3,867	55 55 42,8	9,460	134
8040	Perseus	6½	4 7 27,56	+3,791	58 32 36,6	-9,460	312

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8041	Camelopardus .	9	4	7	28,38	+5,403	26 48' 29,5	-9,458	379
8042	Taurus	8		7	30,84	3,256	81 0 47,9	9,456	42
8043	Eridanus	8½		7	31,05	2,532	114 30 15,9	9,455	563
8044	Perseus	8		7	31,65	3,994	51 55 5,9	9,454	123
8045	Taurus	7½		7	31,79	3,256	81 0 51,9	9,454	205
8046	Taurus	9		7	32,21	3,761	59 36 36,5	9,453	132
8047	Taurus	8½		7	32,61	3,761	59 36 38,7	9,453	136
8048	Eridanus	6½		7	33,05	2,925	96 58 25,1	9,452	308
8049	Taurus	6		7	40,11	3,514	69 21 10,9	9,443	33
8050	Taurus	6		7	40,28	3,514	69 21 8,1	9,443	36
8051	Taurus	7		7	47,11	3,577	66 45 32,7	9,434	575
8052	Taurus	5½		7	47,35	3,529	68 43 17,8	9,434	31
8053	Taurus	7		7	47,35	3,529	68 43 19,0	9,434	33
8054	Taurus	6		7	47,55	3,529	68 43 16,3	9,434	36
8055	Eridanus	9		7	47,64	2,612	111 13 1,6	9,434	560
8056	Taurus	8		7	47,79	3,577	66 45 35,3	9,434	196
8057	Perseus	8		7	48,54	3,930	53 54 35,2	9,432	130
8058	Taurus	9		7	53,12	3,577	66 44 1,7	9,426	575
8059	Perseus	8		7	55,19	3,984	52 14 54,5	9,423	123
8060	Taurus	9		7	57,60	3,177	84 46 53,3	9,421	46
8061	Taurus	8½		7	57,65	3,162	85 32 52,4	9,421	465
8062	Taurus	•		7	57,74	3,347	76 46 33,7	9,420	206
8063	Taurus	8		7	58,14	3,162	85 32 47,8	9,420	202
8064	Taurus	7		8	4,05	3,574	66 53 37,9	9,412	575
8065	Taurus φ	5		8	4,90	3,668	63 8 24,1	9,410	314
8066	Taurus	8		8	5,00	3,574	66 53 43,5	9,410	196
8067	Taurus	9		8	7,64	3,157	85 44 52,3	9,408	202
8068	Taurus	7		8	7,77	3,157	85 44 48,7	9,408	465
8069	Eridanus	8		8	9,51	2,776	103 58 51,6	9,405	466
8070	Taurus	8		8	10,27	3,110	88 1 30,0	9,404	316
8071	Eridanus	9		8	10,57	3,086	89 13 36,7	9,404	49
8072	Eridanus	9		8	10,64	2,687	107 56 59,1	9,404	562
8073	Taurus	8		8	13,78	3,773	59 14 58,7	9,400	136
8074	Taurus	9		8	14,37	3,773	59 14 54,4	9,399	132
8075	Eridanus	8		8	15,00	3,010	92 54 3,8	9,398	251
8076	Taurus	8		8	16,75	3,124	87 20 51,8	9,396	316
8077	Taurus γ	3		8	25,23	3,389	74 52 0,9	9,385	311
8078	Taurus γ	3		8	25,49	3,389	74 52 0,5	9,385	195
8079	Taurus γ	3		8	25,57	3,389	74 52 1,4	9,385	193
8080	Taurus γ	3	4	8	25,94	+3,389	74 52 1,2	-9,385	206

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8081	Taurus	8½	4	8	26,15	+3,253	81 11 39,8	-9,385	42
8082	Taurus	9		8	26,37	3,253	81 11 58,4	9,383	205
8083	Perseus	7½		8	27,05	4,042	50 33 0,2	9,383	138
8084	Camelopardus .	8½		8	27,63	4,639	36 59 15,8	9,382	374
8085	Taurus	7½		8	28,22	3,409	73 58 17,9	9,382	193
8086	Perseus	8		8	28,56	3,869	55 55 16,1	9,381	134
8087	Taurus	9		8	30,65	3,765	59 32 34,1	9,378	136
8088	Taurus	9		8	30,74	3,765	59 32 32,7	9,378	132
8089	Eridanus	8		8	31,56	2,639	110 1 39,6	9,377	560
8090	Taurus	8		8	33,80	3,096	88 43 24,3	9,374	316
8091	Perseus .....	.		8	36,89	4,171	47 2 31,8	9,369	5
8092	Perseus	8		8	37,97	4,171	47 2 17,6	9,368	142
8093	Taurus	8½		8	38,30	3,096	88 44 46,4	9,368	316
8094	Taurus	7		8	41,08	3,270	80 22 27,3	9,364	205
8095	Taurus A	6		8	42,72	3,354	76 27 32,4	9,363	206
8096	Eridanus	8		8	45,31	3,040	91 25 13,6	9,358	251
8097	Eridanus	8½		8	50,81	2,405	119 18 34,7	9,352	564
8098	Perseus	7½		8	54,92	4,555	38 33 4,6	9,348	44
8099	Perseus	8		8	56,40	3,784	58 52 30,2	9,345	132
8100	Taurus	7½		8	58,42	3,669	63 8 29,3	9,343	314
8101	Camelopardus .	8		9	0,94	6,138	21 5 30,9	9,340	375
8102	Eridanus	7		9	3,37	2,749	105 8 12,3	9,336	557
8103	Perseus	6		9	9,32	4,134	48 3 21,5	9,328	5
8104	Taurus	8		9	12,26	3,121	87 30 5,3	9,324	316
8105	Taurus	6		9	16,71	3,378	75 23 42,2	9,318	206
8106	Taurus	5½		9	16,80	3,378	75 23 45,6	9,317	193
8107	Eridanus	8½		9	20,67	2,905	97 55 17,4	9,314	465
8108	Eridanus	8½		9	23,36	2,813	102 14 1,1	9,309	562
8109	Camelopardus .	9½		9	27,14	4,895	32 58 57,7	9,305	380
8110	Camelopardus .	9½		9	27,58	4,895	32 58 56,6	9,305	371
8111	Eridanus	9		9	28,56	2,924	97 0 58,7	9,303	308
8112	Taurus	8½		9	30,47	3,223	82 39 14,8	9,301	42
8113	Eridanus	6½		9	33,29	2,610	111 12 51,6	9,297	558
8114	Eridanus	6		9	33,33	2,610	111 12 49,7	9,297	560
8115	Taurus	7		9	38,49	3,351	76 37 29,9	9,290	206
8116	Taurus	6		9	44,47	3,514	69 26 45,8	9,283	31
8117	Taurus	6½		9	44,59	3,514	69 26 48,0	9,282	33
8118	Perseus	7½		9	48,24	3,810	58 1 13,6	9,278	312
8119	Eridanus	7		9	48,41	2,680	108 12 11,8	9,277	562
8120	Taurus	6½	4	9	48,64	+3,518	69 18 4,8	-9,277	33

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8121	Taurus	6	4 9 49,01	+3,518	69 18 2,6	-9,277	31
8122	Taurus	9	9 50,84	3,450	72 13 15,6	9,274	195
8123	Taurus	7½	9 55,64	3,252	81 16 2,7	9,268	42
8124	Taurus	7	9 56,10	3,252	81 16 3,1	9,268	205
8125	Taurus	8	9 57,40	3,453	72 4 8,3	9,266	195
8126	Taurus	6½	10 2,21	3,187	84 21 24,5	9,260	46
8127	Eridanus	7½	10 2,81	2,967	94 55 51,4	9,259	574
8128	Eridanus	7	10 4,36	2,676	108 20 40,7	9,257	562
8129	Eridanus	6½	10 4,94	2,555	113 28 4,6	9,256	558
8130	Eridanus	6	10 5,22	2,555	113 27 59,5	9,256	563
8131	Eridanus	8½	10 10,91	2,711	106 50 17,1	9,248	557
8132	Taurus	9	10 11,48	3,280	79 57 9,1	9,248	205
8133	Perseus	8	10 12,74	3,945	53 34 58,8	9,247	130
8134	Eridanus	7½	10 17,11	2,982	94 13 34,5	9,240	574
8135	Taurus	7½	10 18,09	3,364	76 4 37,4	9,239	206
8136	Taurus	9½	10 19,68	3,152	86 11 58,4	9,238	465
8137	Eridanus	6½	10 21,05	3,032	91 48 19,8	9,237	251
8138	Perseus	7	10 27,62	3,914	54 34 49,9	9,228	130
8139	Camelopardus .	7½	10 28,81	4,906	32 53 24,2	9,226	380
8140	Camelopardus .	7	10 28,95	4,906	32 53 29,1	9,225	371
8141	Taurus	8½	10 31,44	3,699	62 5 13,6	9,221	314
8142	Eridanus	7	10 32,37	2,798	102 53 31,0	9,221	562
8143	Eridanus	9	10 33,54	2,802	102 42 19,2	9,219	562
8144	Eridanus	7½	10 35,41	3,061	90 24 51,3	9,217	49
8145	Camelopardus .	9½	10 37,34	4,653	36 52 28,0	9,214	374
8146	Taurus	6	10 37,72	3,510	69 39 49,7	9,213	33
8147	Taurus	5½	10 38,10	3,510	69 39 51,5	9,213	31
8148	Perseus	7½	10 38,78	4,111	48 45 3,3	9,211	5
8149	Taurus	9	10 40,08	3,152	86 1 16,5	9,210	465
8150	Camelopardus .	8	10 41,66	4,777	34 49 58,7	9,208	374
8151	Eridanus	8	10 42,08	2,749	105 5 1,1	9,208	466
8152	Eridanus	7½	10 46,30	3,084	89 17 37,8	9,202	316
8153	Taurus	6½	10 48,19	3,357	76 24 22,0	9,200	206
8154	Eridanus	6	10 50,00	2,929	96 43 52,1	9,198	308
8155	Camelopardus .	9½	10 51,27	4,648	36 59 9,2	9,196	374
8156	Eridanus	7½	10 55,04	2,685	107 57 15,3	9,191	562
8157	Perseus	8½	10 56,43	3,894	55 15 48,4	9,189	134
8158	Perseus	8	11 1,30	4,213	46 6 51,9	9,183	142
8159	Eridanus	6½	11 1,35	2,901	98 4 49,1	9,183	465
8160	Perseus	8	4 11 2,65	+3,919	54 27 2,0	-9,181	130

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8161	Eridanus	7½	4 11 3,61	+2,982	94 12 30,5	-9,180	574
8162	Eridanus	9	11 3,66	2,868	99 38 11,1	9,179	246
8163	Perseus	8	11 4,67	4,287	44 20 0,0	9,179	315
8164	Perseus	8	11 5,18	4,287	44 20 0,6	*9,178	40
8165	Eridanus	7	11 6,42	2,708	106 55 28,7	9,176	557
8166	Taurus	8	11 10,34	3,141	86 32 51,4	9,172	465
8167	Eridanus	8½	11 13,34	2,785	103 26 39,6	9,168	466
8168	Eridanus	5½	11 14,04	3,058	90 34 38,0	9,166	49
8169	Perseus	8	11 15,52	3,895	55 14 23,4	9,165	134
8170	Taurus	8	11 16,41	3,418	73 41 29,3	9,164	193
8171	Perseus	7½	11 16,69	3,895	55 14 23,9	9,163	130
8172	Eridanus	8½	11 16,88	2,715	106 36 53,0	9,163	557
8173	Taurus	8½	11 20,54	3,695	62 17 20,9	9,158	314
8174	Eridanus	7	11 20,95	2,502	115 29 53,8	9,158	564
8175	Eridanus	7	11 20,97	2,502	115 30 50,3	9,158	563
8176	Taurus	6½	11 22,51	3,109	88 5 10,7	9,156	316
8177	Perseus	8½	11 24,72	4,292	44 14 32,0	9,154	315
8178	Taurus δ¹	3½	11 24,84	3,435	72 56 17,4	9,153	195
8179	Perseus	8½	11 24,98	4,292	44 14 31,7	9,152	40
8180	Taurus δ¹	4	11 25,22	3,435	72 56 18,6	9,152	203
8181	Taurus	7	11 25,77	3,598	66 4 27,8	9,151	575
8182	Perseus	9	11 26,39	4,074	49 50 12,7	9,150	138
8183	Taurus	8	11 26,74	3,598	66 4 21,8	9,150	196
8184	Eridanus	8	11 28,02	2,874	99 20 17,0	9,147	246
8185	Eridanus	9	11 31,60	2,402	119 16 31,2	9,144	564
8186	Perseus	9	11 32,42	4,193	46 39 32,5	9,143	142
8187	Eridanus	9	11 36,25	2,808	102 24 52,0	9,136	562
8188	Eridanus	8	11 37,34	2,678	108 13 38,0	9,136	562
8189	Perseus	9	11 38,27	4,568	38 28 21,6	9,135	44
8190	Eridanus	8½	11 38,90	2,817	101 59 7,1	9,135	562
8191	Eridanus	7	11 42,46	2,933	96 33 21,7	9,130	308
8192	Camelopardus .	8½	11 44,13	5,576	25 24 50,7	9,129	379
8193	Eridanus	9	11 45,96	2,684	107 56 44,2	9,125	562
8194	Eridanus	8	11 45,99	2,593	111 49 20,8	9,124	558
8195	Taurus	•	11 46,25	3,515	69 29 49,0	9,124	33
8196	Taurus	6	11 46,57	3,515	69 29 46,8	9,124	31
8197	Eridanus	9	11 46,83	2,595	111 42 29,8	9,124	558
8198	Taurus	7½	11 49,12	3,563	67 30 46,4	9,120	36
8199	Eridanus	6½	11 50,43	2,928	96 46 10,4	9,119	308
8200	Perseus	9	4 11 51,46	+4,020	51 25 4,0	-9,118	123

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			h m s	s	° ' "	"	
8281	Taurus x ²	5½	4 13 31.31	+3,546	68 16 10.1	-8,988	36
8282	Taurus	8	13 31.53	3,333	77 34 8.1	8,987	311
8283	Taurus	9	13 31.69	3,213	83 9 10.3	8,986	42
8284	Taurus	9	13 32.36	3,213	83 9 8.1	8,986	46
8285	Taurus	9½	13 38.31	3,202	83 39 3.0	8,978	46
8286	Eridanus	7½	13 38.93	2,888	98 10 49.6	8,978	465
8287	Eridanus	7½	13 41.60	2,973	94 35 50.4	8,975	574
8288	Perseus	7½	13 42.51	4,147	47 59 45.2	8,974	142
8289	Perseus	8	13 42.97	4,174	47 16 41.2	8,973	5
8290	Eridanus ξ	4	13 43.78	2,981	94 13 7.9	8,973	308
8291	Eridanus ξ	4	13 43.86	2,981	94 13 9.4	8,972	574
8292	Taurus	8	13 45.07	3,271	80 25 29.0	8,970	205
8293	Taurus	8	13 48.70	3,585	66 41 7.2	8,965	575
8294	Taurus	8½	13 51.09	3,580	66 54 17.4	8,962	575
8295	Perseus	8	13 52.52	4,180	47 8 12.1	8,960	5
8296	Perseus	7½	13 53.40	4,180	47 8 6.6	8,960	142
8297	Taurus δ ³	5	13 56.01	3,446	72 32 28.4	8,956	195
8298	Taurus	8	13 59.59	3,178	84 49 24.1	8,952	46
8299	Perseus	8½	13 59.99	4,047	50 46 47.5	8,951	138
8300	Perseus	7½	14 5.40	3,941	53 56 42.5	8,943	130
8301	Taurus . . . . .	.	14 12.78	3,401	74 31 35.8	8,933	193
8302	Taurus υ ¹	5½	14 21.36	3,562	67 39 7.8	8,923	196
8303	Taurus υ ¹	4½	14 21.59	3,562	67 39 8.7	8,923	36
8304	Camelopardus .	8	14 21.69	5,585	25 27 38.4	8,923	379
8305	Taurus υ ¹	5	14 21.81	3,562	67 39 9.1	8,923	31
8306	Taurus . . . . .	.	14 28.33	3,506	69 59 49.5	8,915	33
8307	Eridanus	9	14 31.43	2,571	112 35 44.0	8,909	558
8308	Eridanus	9	14 33.53	2,792	103 2 17.2	8,907	466
8309	Eridanus	8	14 33.65	2,792	103 2 11.8	8,907	562
8310	Eridanus	9	14 41.34	2,922	97 2 38.8	8,896	308
8311	Taurus	8	14 43.45	3,392	74 56 31.6	8,894	193
8312	Eridanus	6	14 44.23	2,501	115 21 55.8	8,893	563
8313	Eridanus	6½	14 44.48	2,501	115 21 54.9	8,892	564
8314	Taurus	7½	14 51.21	3,112	87 58 46.1	8,883	316
8315	Eridanus	8	14 51.69	2,634	109 56 53.4	8,882	560
8316	Eridanus	8	14 52.45	2,615	110 44 47.6	8,881	560
8317	Taurus	5	14 57.69	3,394	74 50 52.6	8,875	193
8318	Perseus	8½	15 1.35	3,896	55 26 29.3	8,869	130
8319	Eridanus	8	15 1.75	3,106	88 14 59.6	8,869	316
8320	Perseus	8	4 15 4.88	+4,159	47 44 45.6	-8,865	5

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			h m s	s	° ' "	"	
8321	Eridanus	8	4 15 6.23	+2,714	106 30' 36.6	-8,863	557
8322	Eridanus	9	15 8.97	2,793	102 59 9.6	8,860	562
8323	Camelopardus .	9	15 11.46	5,550	25 49 7.2	8,857	379
8324	Camelopardus .	8½	15 11.51	5,549	25 49 14.0	8,857	380
8325	Eridanus	8	15 11.88	2,865	99 41 39.6	8,857	246
8326	Taurus	8	15 12.48	3,580	66 57 7.3	8,856	575
8327	Camelopardus .	9½	15 12.75	4,597	38 9 15.8	8,855	44
8328	Eridanus	9	15 14.40	2,801	102 36 11.3	8,853	466
8329	Eridanus	8½	15 14.47	2,798	102 46 5.6	8,853	562
8330	Taurus π	4½	15 19.29	3,374	75 44 59.6	8,847	206
8331	Taurus υ	7	15 20.31	3,568	67 27 59.6	8,845	196
8332	Taurus	8	15 20.61	3,168	85 18 59.8	8,845	465
8333	Taurus	8½	15 20.68	3,492	70 37 13.4	8,845	33
8334	Taurus υ²	6	15 20.89	3,568	67 28 2.3	8,845	31
8335	Taurus η²	5½	15 21.18	3,568	67 27 58.8	8,845	36
8336	Taurus	9	15 21.24	3,475	71 20 20.9	8,844	195
8337	Eridanus	8½	15 22.59	2,619	110 35 2.3	8,842	560
8338	Taurus	8½	15 26.80	3,619	65 24 5.7	8,837	575
8339	Eridanus	7½	15 28.46	2,981	94 14 12.4	8,835	574
8340	Taurus	6½	15 28.56	3,152	86 5 34.1	8,835	465
8341	Eridanus	7½	15 28.67	2,941	96 7 21.1	8,835	308
8342	Taurus	7	15 29.16	3,152	86 5 33.5	8,834	202
8343	Taurus	7½	15 30.63	3,241	81 52 30.2	8,833	42
8344	Taurus	8	15 31.38	3,454	72 15 18.6	8,831	195
8345	Eridanus	7	15 32.66	3,030	91 52 37.4	8,829	251
8346	Auriga	9	15 33.03	3,872	56 15 43.0	8,829	134
8347	Eridanus	7½	15 37.17	3,013	92 42 2.3	8,823	251
8348	Eridanus	7	15 38.48	3,082	89 25 58.8	8,822	316
8349	Eridanus ...	8	15 38.59	3,082	89 26 5.7	8,821	49
8350	Taurus	9	15 44.20	3,258	81 4 12.5	8,814	205
8351	Eridanus	9	15 47.57	2,744	105 9 26.9	8,810	466
8352	Taurus	7½	15 56.69	3,691	62 40 48.0	8,798	314
8353	Perseus	8½	16 0.76	4,301	44 18 4.7	8,792	315
8354	Perseus	8½	16 1.29	4,301	44 18 6.6	8,792	40
8355	Eridanus	8½	16 5.79	2,576	112 20 28.6	8,786	558
8356	Perseus	8	16 6.15	3,905	55 11 30.2	8,785	134
8357	Perseus	8	16 6.77	3,905	55 11 26.6	8,784	130
8358	Taurus	5½	16 9.38	3,535	68 51 21.1	8,781	33
8359	Taurus	6	16 9.58	3,535	68 50 17.2	8,780	36
8360	Taurus	6½	4 16 9.88	+3,535	68 50 17.9	-8,780	31

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			h m s	s	° ' "	"	
8361	Eridanus	7	4 16 11,27	+2,849	100 23 32,7	-8,778	246
8362	Taurus	16 12,98	3,395	74 52 17,0	8,776	193
8363	Eridanus	8	16 15,87	3,049	90 58 24,2	8,773	49
8364	Taurus	7½	16 15,87	3,761	60 5 45,4	8,773	136
8365	Taurus	7½	16 15,90	3,761	60 5 46,2	8,773	132
8366	Taurus .....	.	16 16,28	3,734	61 5 36,3	8,772	132
8367	Taurus	9½	16 16,87	3,761	60 5 37,4	8,771	136
8368	Taurus	8½	16 17,16	3,597	66 20 29,6	8,771	575
8369	Camelopardus .	9	16 17,48	5,542	25 56 31,9	8,770	379
8370	Camelopardus .	9	16 17,60	5,279	28 33 48,5	8,770	378
8371	Taurus	8	16 20,68	3,168	85 19 2,0	8,766	46
8372	Taurus	6	16 27,00	3,298	79 14 55,9	8,758	311
8373	Eridanus	8	16 31,77	2,704	106 52 57,9	8,752	557
8374	Eridanus	8	16 32,37	2,687	107 38 56,6	8,751	562
8375	Eridanus	8½	16 33,93	2,822	101 38 4,9	8,749	562
8376	Camelopardus .	9	16 34,59	5,075	30 58 10,5	8,748	381
8377	Eridanus	6	16 37,24	3,104	88 22 44,1	8,745	316
8378	Taurus	8	16 38,63	3,209	83 23 55,0	8,744	46
8379	Perseus .....	.	16 39,75	4,238	45 50 49,7	8,742	142
8380	Taurus	7½	16 40,40	3,310	78 43 25,2	8,741	311
8381	Eridanus	9	16 41,79	2,981	94 13 49,3	8,739	574
8382	Eridanus	8½	16 43,37	3,024	92 11 20,4	8,737	251
8383	Eridanus	8½	16 44,36	2,775	103 44 48,7	8,735	466
8384	Eridanus	8½	16 44,65	2,722	106 7 24,5	8,735	557
8385	Camelopardus .	8	16 45,67	4,597	38 15 11,5	8,734	44
8386	Perseus	8½	16 46,11	4,060	50 34 13,2	8,733	138
8387	Eridanus	8	16 52,17	2,956	95 23 38,3	8,726	308
8388	Taurus s	3½	16 55,94	3,478	71 16 34,3	8,720	205
8389	Eridanus	7½	16 56,75	2,914	97 20 39,5	8,720	465
8390	Taurus s	3½	16 56,93	3,478	71 16 30,2	8,720	33
8391	Eridanus	8	16 57,27	2,835	101 11 36,5	8,718	247
8392	Taurus s	3	16 57,29	3,478	71 16 27,2	8,718	203
8393	Taurus s	3	16 57,31	3,478	71 16 29,4	8,718	195
8394	Camelopardus .	8½	16 57,86	6,027	22 9 23,1	8,718	375
8395	Eridanus	8½	16 59,25	2,994	93 35 0,6	8,716	574
8396	Taurus	6	17 0,47	3,682	63 3 0,5	8,714	314
8397	Taurus	6	17 1,19	3,413	74 6 1,0	8,714	193
8398	Taurus	6½	17 4,30	3,376	75 42 54,1	8,710	206
8399	Eridanus	8	17 4,79	2,671	108 19 40,9	8,708	562
8400	Eridanus	8	4 17 6,33	+2,993	93 38 57,8	-8,706	574

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			h m s	s	° ' "	"	
8401	Perseus	8½	4 17 7,24	+4,070	50 18' 18,1	-8,705	138
8402	Taurus θ ¹	4	17 10,01	3,404	74 29 40,8	8,702	193
8403	Camelopardus .	9½	17 14,78	6,069	21 53 28,8	8,696	375
8404	Taurus θ ²	3	17 15,28	3,402	74 35 1,9	8,696	193
8405	Auriga	8½	17 16,25	3,934	54 20 31,1	8,694	130
8406	Taurus	8	17 16,72	3,233	82 18 10,9	8,694	42
8407	Taurus	7½	17 19,76	3,309	78 47 28,5	8,690	311
8408	Taurus	9	17 23,98	3,679	63 10 30,6	8,684	314
8409	Taurus	8½	17 29,36	3,378	75 38 5,1	8,676	206
8410	Eridanus	7½	17 31,70	2,936	96 18 13,1	8,674	308
8411	Taurus . . . . .	.	17 33,73	3,409	74 17 42,5	8,670	193
8412	Eridanus	9	17 35,94	2,818	101 46 51,7	8,667	562
8413	Eridanus	8½	17 36,85	2,745	105 4 55,7	8,666	466
8414	Eridanus	6	17 41,58	3,099	88 35 53,7	8,660	316
8415	Camelopardus .	8	17 41,74	4,634	37 38 37,3	8,660	44
8416	Camelopardus .	7½	17 45,24	5,524	26 10 37,2	8,656	379
8417	Perseus	8½	17 45,88	4,066	50 26 21,5	8,655	138
8418	Taurus	6½	17 54,62	3,703	62 19 21,0	8,644	314
8419	Eridanus	8½	17 54,78	2,658	108 50 38,1	8,643	560
8420	Perseus	9	17 58,60	4,022	51 42 38,4	8,638	123
8421	Eridanus	7	17 59,85	2,651	109 7 3,2	8,636	560
8422	Eridanus	7	18 0,78	2,651	109 6 51,1	8,635	562
8423	Eridanus	7½	18 2,95	2,542	113 35 39,3	8,632	563
8424	Eridanus	8	18 3,01	2,542	113 35 47,4	8,632	558
8425*	Perseus	9	18 9,15	4,064	50 31 20,6	8,624	138
8426	Perseus	9	18 11,14	3,986	52 47 33,6	8,622	123
8427	Eridanus	5½	18 12,24	3,089	89 4 21,7	8,620	316
8428	Eridanus	6	18 12,75	3,089	89 4 24,1	8,620	49
8429	Perseus	8½	18 15,20	4,243	45 49 40,4	8,616	142
8430	Perseus	8	18 16,25	4,255	45 32 30,2	8,614	142
8431	Eridanus	7	18 21,47	2,822	101 34 56,8	8,608	562
8432	Eridanus	9	18 21,91	2,547	113 24 54,7	8,607	558
8433	Perseus	9	18 21,93	4,068	50 26 28,7	8,607	138
8434	Taurus	7	18 22,09	3,586	66 51 41,9	8,607	575
8435	Taurus	8	18 22,33	3,586	66 51 44,9	8,606	196
8436	Eridanus	8	18 22,71	2,547	113 24 54,3	8,606	563
8437	Eridanus	8	18 25,70	3,110	88 4 39,9	8,602	316
8438	Camelopardus .	7½	18 28,32	4,929	33 0 53,3	8,598	380
8439	Camelopardus .	8	18 28,42	4,929	33 0 50,4	8,598	371
8440	Eridanus	8½	4 18 33,37	+2,821	101 37 49,0	-8,592	562

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			h m s	s	° ' "	"	
8441	Camelopardus	7	4 18 33.60	+7.991	13 47 49.1	-8.592	352
8442	Taurus	10	18 34.92	3.495	70 36 27.0	8.590	34
8443	Camelopardus .	7	18 36.99	5.078	31 2 15.7	8.587	381
8444	Camelopardus .	7½	18 37.80	5.078	31 2 18.6	8.586	380
8445	Camelopardus .	8½	18 40.10	5.243	29 4 42.5	8.583	378
8446	Eridanus	8½	18 41.00	2.770	103 55 13.7	8.582	466
8447	Auriga	6½	18 41.03	3.958	53 41 58.9	8.582	130
8448	Taurus	8	18 44.10	3.284	79 55 53.8	8.578	205
8449	Taurus	6	18 45.02	3.398	74 48 41.8	8.576	193
8450	Camelopardus .	9	18 46.21	6.165	21 20 7.1	8.574	375
8451	Perseus . . . . .	.	18 46.27	4.257	45 30 58.3	8.574	142
8452	Eridanus	8½	18 49.36	2.899	98 0 49.8	8.571	465
8453	Eridanus	8½	18 53.08	2.634	109 48 44.6	8.566	560
8454	Perseus	8½	18 55.21	4.027	51 38 0.6	8.563	123
8455	Perseus	6½	18 58.90	3.968	53 24 8.7	8.559	130
8456	Camelopardus .	9	18 59.30	5.073	31 7 30.9	8.558	380
8457	Camelopardus .	9	18 59.32	5.073	31 7 29.1	8.558	381
8458	Eridanus	7	19 0.10	2.731	105 38 7.9	8.557	557
8459	Taurus	8½	19 1.25	3.754	60 31 0.8	8.555	136
8460	Taurus	9	19 1.91	3.754	60 31 2.7	8.554	132
8461	Taurus	7	19 2.54	3.169	85 17 2.1	8.554	465
8462	Eridanus	7½	19 2.68	2.670	108 17 40.9	8.553	562
8463	Camelopardus .	9	19 2.68	6.172	21 18 13.3	8.553	375
8464	Taurus	7½	19 3.03	3.169	85 17 10.1	8.553	202
8465	Taurus	7½	19 4.89	3.279	80 11 4.4	8.550	205
8466	Taurus	6	19 7.46	3.411	74 15 17.0	8.547	193
8467	Camelopardus .	8½	19 8.51	5.889	23 13 43.6	8.546	380
8468	Taurus	7	19 13.62	3.581	67 5 58.2	8.539	575
8469	Taurus	8	19 13.73	3.581	67 5 55.4	8.539	196
8470	Taurus	6	19 14.55	3.399	74 45 17.9	8.537	193
8471	Camelopardus .	9½	19 17.12	4.924	33 8 12.0	8.534	371
8472	Taurus	8½	19 17.49	3.171	85 11 25.9	8.534	465
8473	Perseus	7½	19 18.10	4.182	47 24 22.6	8.533	5
8474	Eridanus	7	19 18.46	2.582	111 57 22.7	8.533	558
8475	Taurus	8½	19 18.65	3.171	85 11 31.0	8.532	202
8476	Perseus	9	19 18.96	4.101	49 34 38.2	8.532	138
8477	Eridanus	8	19 22.94	3.009	92 51 37.6	8.527	251
8478	Perseus m	6	19 22.96	4.184	47 22 50.6	8.527	5
8479	Eridanus	7½	19 27.99	2.823	101 30 25.5	8.520	562
8480	Perseus	9	4 19 28.12	+4.250	45 43 33.7	-8.519	142

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			h m s	s	° ' "	"	
8481	Eridanus	8½	4 19 28,55	+2,971	94 39 25,2	-8,519	574
8482	Eridanus	8	19 29,32	2,380	119 39 20,7	8,518	564
8483	Eridanus	9	19 29,35	2,940	96 7 17,0	8,517	308
8484	Auriga	9	19 38,50	3,960	53 40 59,2	8,506	130
8485	Taurus	8	19 38,90	3,569	67 35 53,6	8,506	31
8486	Taurus	8	19 39,16	3,569	67 35 47,0	8,506	36
8487	Perseus	8	19 39,99	4,289	44 48 10,7	8,504	315
8488	Perseus	8½	19 40,29	4,289	44 48 14,6	8,504	40
8489	Eridanus	8½	19 42,35	2,735	105 25 40,8	8,501	557
8490	Eridanus	8	19 43,99	2,550	113 13 17,7	8,499	558
8491	Eridanus	6½	19 44,15	2,550	113 13 13,1	8,498	563
8492	Perseus	7½	19 48,74	4,302	44 31 21,6	8,492	315
8493	Perseus	8	19 49,57	4,302	44 31 21,4	8,492	40
8494	Eridanus	8	19 49,66	2,963	95 2 3,8	8,492	308
8495	Eridanus	5½	19 49,87	2,779	103 29 55,8	8,491	466
8496	Eridanus	9	19 50,53	2,976	94 25 36,6	8,490	574
8497	Eridanus	6½	19 50,90	2,631	109 54 19,4	8,489	560
8498	Taurus	8	19 55,66	3,290	79 41 36,9	8,483	205
8499	Eridanus	8½	19 56,93	3,011	92 47 12,6	8,482	251
8500	Perseus	8½	19 57,34	4,264	45 25 47,7	8,481	142
8501	Taurus	8½	19 57,45	3,797	59 2 11,6	8,481	136
8502	Taurus	9	19 58,02	3,797	59 2 11,4	8,480	132
8503	Camelopardus .	9½	20 0,58	4,931	33 4 40,5	8,476	371
8504	Perseus	8	20 1,13	4,186	47 21 1,1	8,476	4
8505	Taurus . . . . .	.	20 3,36	3,170	85 17 8,8	8,472	46
8506*	Taurus	7½	20 12,44	3,629	65 15 20,2	8,461	575
8507	Taurus	8	20 12,47	3,629	65 15 20,0	8,461	196
8508	Taurus	8	20 13,74	3,629	65 15 20,8	8,460	204
8509	Taurus	7½	20 17,38	3,540	68 48 34,9	8,455	31
8510	Taurus	8	20 17,63	3,540	68 48 31,1	8,455	36
8511	Taurus	9	20 18,62	3,172	85 11 29,7	8,453	46
8512	Eridanus	8	20 18,72	2,677	107 55 15,6	8,453	562
8513	Taurus	8	20 22,61	3,205	83 38 50,1	8,447	46
8514	Perseus	8	20 23,67	4,273	45 13 3,5	8,447	40
8515	Taurus	8½	20 23,74	3,216	83 6 41,6	8,447	42
8516	Taurus	9	20 26,61	3,134	86 58 16,2	8,443	465
8517	Taurus	6½	20 27,09	3,404	74 35 21,1	8,441	193
8518	Eridanus	8	20 29,91	3,013	92 40 31,6	8,438	251
8519	Taurus	8½	20 30,21	3,219	82 59 23,4	8,437	42
8520	Eridanus	9	4 20 31,46	+3,063	90 19 56,8	-8,435	49

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8521	Eridanus	8	4 20 35.52	+2,487	115 38 33.1	-8,430	564
8522	Camelopardus .	9	20 38.43	4,648	37 33 24.5	8,428	44
8523	Eridanus	9	20 43.99	2,582	111 52 52.2	8,420	558
8524	Camelopardus .	9	20 44.88	5,083	31 5 21.2	8,418	381
8525	Camelopardus .	9	20 45.02	5,083	31 5 16.9	8,418	380
8526	Eridanus	8	20 50.94	2,811	102 0 30.8	8,410	562
8527	Taurus	8½	20 51.43	3,157	85 51 59.3	8,410	465
8528	Eridanus	6½	20 55.37	2,766	104 2 18.4	8,404	466
8529	Auriga	9	21 0.35	3,900	55 38 5.4	8,398	134
8530	Camelopardus .	8½	21 6.43	6,182	21 19 11.6	8,389	375
8531	Eridanus	8	21 9.37	2,955	95 24 17.0	8,386	574
8532	Eridanus	7½	21 9.67	2,955	95 24 10.1	8,385	308
8533	Taurus	8	21 9.72	3,291	79 40 39.2	8,385	205
8534	Perseus	9	21 10.36	4,269	45 22 43.1	8,385	142
8535	Taurus	7½	21 12.22	3,183	84 40 33.2	8,381	46
8536	Eridanus	7½	21 16.89	2,558	116 43 23.3	8,376	564
8537	Eridanus	8	21 17.89	2,781	103 21 8.5	8,375	562
8538	Eridanus	9	21 18.26	2,691	107 18 19.7	8,374	562
8539	Taurus	9	21 18.73	3,793	59 13 58.3	8,373	136
8540	Taurus	9	21 19.22	3,793	59 13 58.1	8,373	132
8541	Taurus	8	21 20.50	3,486	71 4 34.9	8,371	34
8542	Eridanus	7½	21 20.74	2,957	95 17 57.8	8,371	574
8543	Eridanus	7½	21 20.85	2,939	96 7 46.4	8,370	308
8544	Perseus	9	21 21.83	4,044	51 17 10.5	8,369	138
8545	Perseus	8	21 23.50	4,276	45 12 58.0	8,368	142
8546	Taurus	8	21 23.64	3,606	66 10 25.8	8,367	196
8547	Taurus	7½	21 23.81	3,607	66 9 24.1	8,367	575
8548	Taurus	7	21 26.34	3,175	85 1 49.9	8,364	465
8549	Taurus	7	21 26.39	3,175	85 1 47.9	8,364	46
8550	Taurus	7	21 26.65	3,175	85 1 50.2	8,363	202
8551	Camelopardus .	9½	21 30.78	4,919	33 18 59.7	8,358	371
8552	Camelopardus .	8½	21 31.23	5,577	25 51 47.1	8,356	379
8553	Perseus	9	21 32.99	4,370	43 4 28.8	8,354	376
8554	Perseus	8½	21 33.10	4,370	43 4 24.8	8,354	315
8555	Perseus	8½	21 34.36	4,371	43 3 29.8	8,352	315
8556	Perseus	9	21 34.64	4,371	43 3 32.8	8,352	376
8557	Eridanus	8½	21 36.79	3,032	91 47 27.8	8,350	251
8558	Eridanus	5	21 39.21	3,059	90 29 0.7	8,347	49
8559	Perseus	8½	21 41.78	4,036	51 32 20.5	8,343	123
8560	Taurus	9	4 21 47.19	+3,613	65 55 48.7	-8,335	575

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8561	Taurus	8	4 21 58,51	+3,455	72 25 0,0	-8,322	195
8562	Perseus	9	21 59,42	4,181	47 35 27,5	8,320	5
8563	Eridanus	8	22 1,01	2,690	107 19 54,9	8,317	562
8564	Auriga	8½	22 1,89	3,989	52 55 54,1	8,316	123
8565	Perseus	8½	22 3,11	4,066	50 41 44,2	8,314	138
8566	Eridanus	7	22 4,86	2,541	113 28 3,0	8,312	563
8567	Eridanus	8	22 5,31	3,028	91 56 47,1	8,312	251
8568	Taurus	6	22 7,85	3,731	61 28 14,9	8,308	136
8569	Taurus	•	22 8,02	3,731	61 28 13,8	8,308	132
8570	Taurus	5½	22 8,26	3,731	61 28 15,8	8,308	314
8571	Taurus	6	22 8,58	3,731	61 28 15,2	8,307	139
8572	Camelopardus .	5½	22 9,68	7,762	14 32 35,3	8,307	352
8573	Eridanus	8	22 10,48	2,582	111 49 4,5	8,305	558
8574	Camelopardus .	8½	22 10,74	5,921	23 7 14,4	8,305	375
8575	Eridanus	6	22 12,12	2,764	104 4 56,8	8,303	466
8576	Taurus	7	22 12,34	3,416	74 6 38,9	8,303	193
8577	Eridanus	8	22 21,74	2,531	113 50 55,9	8,290	563
8578	Eridanus	7½	22 29,10	2,953	95 28 21,6	8,279	308
8579	Camelopardus .	9½	22 29,53	4,707	36 38 31,3	8,279	374
8580	Taurus ρ	5½	22 30,72	3,383	75 35 15,1	8,277	203
8581	Camelopardus .	9½	22 31,34	4,890	33 47 5,8	8,277	371
8582	Taurus	6½	22 33,86	3,347	77 10 49,3	8,273	311
8583	Auriga	9	22 35,19	3,856	57 9 16,5	8,271	134
8584	Auriga	9	22 36,15	3,930	54 45 23,5	8,270	130
8585	Eridanus	7½	22 36,52	2,787	103 4 21,2	8,270	466
8586	Eridanus	7	22 36,86	2,787	103 4 12,4	8,270	562
8587	Taurus	9	22 37,05	3,388	75 21 6,8	8,270	203
8588	Eridanus	6	22 37,32	2,992	93 38 43,5	8,269	574
8589	Eridanus	5	22 37,50	2,992	93 38 38,2	8,269	251
8590	Eridanus	9	22 44,42	3,057	90 35 11,5	8,260	49
8591	Taurus	7	22 48,88	3,569	67 44 12,2	8,252	31
8592	Eridanus	7	22 50,41	2,598	111 8 8,1	8,251	560
8593	Perseus e	4½	22 51,89	4,123	49 9 32,0	8,249	5
8594	Camelopardus .	9	22 53,84	4,649	37 40 10,7	8,247	44
8595	Taurus	7½	22 53,90	3,262	81 1 8,9	8,247	205
8596	Taurus	9	22 57,86	3,530	69 19 33,0	8,243	34
8597	Perseus	8½	22 58,22	4,263	45 37 5,9	8,241	142
8598	Taurus	9	22 58,45	3,386	75 27 22,3	8,241	203
8599	Taurus	9	23 8,78	3,450	72 40 43,8	8,227	195
8600	Camelopardus .	8½	4 23 12,74	+6,050	22 15 41,0	-8,222	375

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8601	Eridanus	8½	4 23 14.05	+3,082	89 24 35.3	-8,220	49
8602	Taurus	9	23 15.19	3,176	85 1 49.8	8,218	46
8603	Eridanus	9	23 18.26	2,996	93 25 57.0	8,215	574
8604	Eridanus	7½	23 19.06	2,598	111 8 5.6	8,213	558
8605	Auriga	7	23 19.14	3,973	53 28 10.4	8,213	130
8606	Eridanus	7½	23 23.31	2,384	119 19 11.4	8,208	564
8607	Eridanus	7½	23 25.45	2,512	114 32 48.1	8,205	563
8608	Auriga	8½	23 27.38	3,990	52 58 59.7	8,202	123
8609	Eridanus	8	23 29.40	2,680	107 42 2.4	8,200	562
8610	Taurus	8	23 29.42	3,433	73 25 43.1	8,200	193
8611	Taurus	6½	23 30.64	3,179	84 51 39.7	8,198	465
8612	Taurus	6	23 31.21	3,179	84 51 41.7	8,198	46
8613	Taurus	8	23 32.20	3,438	73 13 34.7	8,196	193
8614	Eridanus	8½	23 33.54	2,669	108 10 31.5	8,194	562
8615	Perseus .....	.	23 34.08	4,325	44 11 15.6	8,194	40
8616	Eridanus	8	23 38.41	2,976	94 24 36.4	8,188	574
8617	Taurus	9	23 43.67	3,553	68 24 13.8	8,181	31
8618	Eridanus	7	23 47.45	2,788	102 58 28.9	8,176	466
8619	Eridanus	6½	23 47.59	2,788	102 58 25.2	8,175	562
8620	Taurus	7½	23 48.79	3,570	67 44 10.1	8,174	36
8621	Eridanus	6½	23 48.92	2,911	97 25 18.9	8,174	308
8622	Eridanus	6½	23 53.59	2,947	95 44 6.8	8,168	308
8623	Eridanus	6½	23 54.86	2,827	101 13 5.6	8,166	562
8624	Perseus	8½	23 55.39	4,090	50 7 20.3	8,165	138
8625	Eridanus	6	23 55.92	2,827	101 13 3.3	8,164	247
8626	Taurus	6½	23 56.84	3,503	70 27 15.2	8,164	34
8627	Taurus	6	24 0.00	3,501	70 32 37.4	8,158	34
8628	Camelopardus .	8	24 3.06	4,985	32 32 6.3	8,155	380
8629	Eridanus	7½	24 6.77	2,386	119 13 58.1	8,150	564
8630	Perseus	7½	24 9.32	4,158	48 18 2.7	8,147	5
8631	Camelopardus .	6	24 9.88	4,695	36 56 15.8	8,145	374
8632	Eridanus	5½	24 10.61	2,916	97 10 8.2	8,145	308
8633	Eridanus	8	24 11.77	3,069	90 0 59.9	8,143	49
8634	Eridanus	8	24 17.54	2,963	94 59 13.8	8,136	574
8635	Camelopardus .	9	24 20.30	4,988	32 30 4.5	8,132	380
8636	Eridanus	8½	24 20.34	2,630	109 47 31.8	8,132	560
8637	Taurus	8	24 22.51	3,542	68 53 4.9	8,128	31
8638	Taurus	8½	24 24.54	3,546	68 43 47.6	8,127	32
8639	Taurus α	1	24 25.51	3,423	73 54 14.5	8,125	196
8640	Taurus α	1	4 24 26.59	+3,423	73 54 15.7	-8,123	42

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8641	Taurus α	1	4 24 27,00	+3,423	73 54 18,4	-8,123	36
8642*	Taurus α	1	24 27,14	3,423	73 54 17,2	8,123	311
8643	Taurus	7	24 27,20	3,587	67 4 51,6	8,123	575
8644	Taurus α	1	24 27,22	3,422	73 54 22,6	8,123	205
8645	Taurus α	1	24 27,42	3,423	73 54 18,4	8,123	195
8646	Taurus α	1	24 27,47	3,423	73 54 15,2	8,123	193
8647	Taurus α	1	24 27,57	3,423	73 54 17,3	8,122	203
8648	Taurus α	1	24 27,62	3,422	73 54 21,6	8,122	254
8649	Taurus α	1	24 27,71	3,423	73 54 20,3	8,122	252
8650	Eridanus	6	24 30,63	2,914	97 15 48,6	8,118	308
8651*	Perseus	7	24 33,22	4,328	44 11 11,0	8,116	315
8652	Taurus	8	24 35,44	3,775	60 0 51,3	8,112	136
8653	Camelopardus .	10	24 37,82	4,696	36 56 45,1	8,109	374
8654	Taurus	7	24 52,76	3,499	70 39 45,1	8,089	34
8655	Camelopardus .	9	24 53,92	6,006	22 37 42,5	8,087	375
8656	Eridanus	7½	24 54,55	2,473	115 59 25,2	8,086	564
8657	Perseus . . . . .	.	24 55,53	4,165	48 10 31,0	8,085	5
8658	Auriga	9	24 57,04	3,990	53 2 58,4	8,083	123
8659	Eridanus	8	25 1,40	2,515	114 21 43,2	8,077	563
8660	Eridanus	7½	25 1,47	2,657	108 36 40,3	8,077	562
8661	Eridanus	9	25 5,51	2,806	102 8 36,6	8,071	562
8662	Taurus	8½	25 6,05	3,776	60 39,5	8,071	136
8663	Eridanus	8½	25 6,27	2,634	109 36 24,4	8,071	560
8664	Auriga	8½	25 9,05	4,028	51 58 1,3	8,067	123
8665	Camelopardus .	9	25 9,67	6,031	22 27 52,4	8,066	375
8666	Taurus	8½	25 11,66	3,649	64 41 31,7	8,063	204
8667	Camelopardus .	6	25 12,70	4,675	37 20 19,3	8,061	44
8668	Taurus	9	25 14,61	3,780	59 53 35,4	8,059	136
8669	Taurus	7½	25 15,89	3,308	79 0 35,2	8,058	311
8670	Eridanus	8½	25 16,62	2,808	102 3 38,3	8,057	562
8671	Taurus	9	25 16,87	3,170	85 19 4,8	8,057	465
8672	Camelopardus .	8	25 17,47	4,660	37 35 53,6	8,056	44
8673	Eridanus	7½	25 28,20	2,959	95 9 24,2	8,041	574
8674	Eridanus	8	25 28,50	2,959	95 9 22,2	8,041	308
8675	Eridanus	8½	25 30,98	2,687	107 19 40,1	8,038	562
8676	Eridanus	9	25 31,98	2,961	95 3 14,9	8,036	308
8677	Taurus	8	25 33,14	3,394	75 9 23,8	8,035	193
8678	Taurus	8	25 37,16	3,471	71 52 31,4	8,030	195
8679	Perseus	9½	25 38,01	4,102	49 53 40,7	8,028	138
8680	Eridanus . . ν^s	4½	4 25 39,21	+2,357	120 10 35,1	-8,027	564

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8681	Eridanus	9	4 25 41.30	+2,850	100 9 34.6	-8,024	247
8682	Auriga	8	25 41.42	3,964	53 52 3.6	8,024	130
8683	Eridanus	8	25 42.30	2,850	100 9 29.5	8,023	247
8684	Taurus	9½	25 51.77	3,748	61 1 43.7	8,009	132
8685	Eridanus	8	25 58.05	3,013	92 39 2.9	8,001	251
8686	Taurus	8½	26 0.07	3,730	61 41 50.6	7,998	314
8687	Camelopardus .	7	26 3.32	5,120	30 52 57.1	7,995	380
8688	Eridanus	9	26 3.52	2,809	101 59 41.1	7,994	562
8689	Eridanus	7	26 3.64	2,393	118 52 20.3	7,994	564
8690	Eridanus	7	26 3.71	2,983	94 1 57.3	7,994	574
8691	Taurus	9	26 7.01	3,295	79 34 34.8	7,989	205
8692	Taurus	8	26 9.41	3,392	75 16 11.2	7,986	193
8693	Taurus	7	26 9.56	3,682	63 28 23.7	7,986	204
8694	Taurus	7½	26 10.02	3,682	63 28 17.6	7,985	139
8695	Camelopardus .	9	26 11.62	4,708	36 49 7.9	7,984	374
8696	Eridanus	6½	26 14.96	2,511	114 27 49.3	7,979	563
8697	Eridanus	6½	26 15.25	2,615	110 20 53.3	7,979	560
8698	Eridanus	8	26 16.88	2,985	93 57 21.1	7,976	574
8699	Eridanus .. v	.	26 19.94	2,989	93 46 20.6	7,972	574
8700	Camelopardus .	9	26 21.54	4,945	33 12 21.7	7,971	371
8701	Perseus	8	26 22.77	4,242	46 18 40.7	7,968	142
8702	Camelopardus .	7½	26 23.00	7,761	14 39 40.0	7,968	352
8703	Eridanus	8	26 24.48	2,594	111 10 0.2	7,966	558
8704	Perseus	7	26 24.98	4,113	49 37 16.8	7,965	138
8705	Taurus	5½	26 28.84	3,523	69 43 47.3	7,960	34
8706	Perseus	6½	26 31.26	4,428	42 6 17.0	7,956	376
8707	Eridanus	7½	26 36.76	2,485	115 27 27.7	7,950	564
8708	Perseus	9½	26 37.67	4,116	49 33 35.8	7,948	138
8709	Eridanus	9	26 42.89	2,594	111 11 0.4	7,941	558
8710	Taurus	6½	26 43.27	3,413	74 22 46.8	7,941	193
8711	Auriga	9½	26 43.41	3,957	54 8 12.3	7,941	130
8712	Taurus	8	26 49.61	3,584	67 15 29.8	7,932	36
8713	Taurus	8	26 50.09	3,584	67 15 36.3	7,932	32
8714	Taurus	9	26 53.22	3,476	71 40 46.5	7,927	195
8715	Eridanus	5½	26 55.76	3,082	89 25 3.9	7,925	316
8716	Eridanus	7	26 56.03	2,498	114 57 7.8	7,924	563
8717	Eridanus	7	26 56.05	2,498	114 57 10.6	7,924	564
8718	Eridanus	6	26 56.35	3,082	89 25 6.9	7,923	49
8719	Taurus c¹	5	26 59.10	3,333	77 54 5.9	7,920	311
8720	Eridanus	8½	4 26 59.14	+2,816	101 41 2.7	-7,920	562

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8721	Taurus	7½	4 27 2,18	+3,168	85 25 52,2	-7,916	465
8722	Eridanus	8	27 7,82	2,579	111 45 27,4	7,909	558
8723	Taurus	9	27 8,59	3,733	61 37 41,7	7,907	314
8724	Taurus	9	27 8,80	3,734	61 37 34,3	7,907	139
8725	Taurus	8	27 9,12	3,218	83 5 46,4	7,907	46
8726	Taurus	6½	27 11,91	3,638	65 11 34,5	7,902	575
8727	Taurus	7	27 12,48	3,638	65 11 35,0	7,902	204
8728	Taurus	7½	27 12,67	3,638	65 11 32,2	7,902	196
8729	Eridanus	8½	27 13,08	2,878	98 52 41,4	7,901	465
8730	Taurus	8½	27 15,92	3,572	67 45 28,8	7,898	36
8731	Camelopardus .	8½	27 18,54	5,469	27 8 6,0	7,893	379
8732	Eridanus	8	27 23,21	2,673	107 51 40,6	7,887	562
8733	Taurus .....	.	27 23,91	3,249	81 43 1,6	7,887	42
8734	Auriga	8½	27 24,91	3,978	53 33 17,9	7,884	130
8735	Perseus .....	.	27 27,65	4,167	48 15 43,7	7,881	5
8736	Eridanus .. c	4	27 31,80	3,008	92 52 55,2	7,875	316
8737	Eridanus .. c	6	27 32,80	3,008	92 53 1,8	7,874	251
8738	Eridanus	8½	27 39,74	2,610	110 28 54,3	7,865	560
8739	Taurus	8	27 39,87	3,369	76 18 14,0	7,865	203
8740	Eridanus	8	27 40,42	2,579	111 44 7,0	7,864	558
8741	Eridanus	8	27 40,52	3,004	93 3 32,2	7,864	251
8742	Taurus	7½	27 44,68	3,768	60 25 58,8	7,859	132
8743	Taurus	7½	27 44,82	3,768	60 25 57,0	7,858	136
8744	Taurus σ¹	5½	27 44,86	3,408	74 36 17,6	7,857	193
8745	Eridanus	8	27 45,58	2,732	105 20 34,8	7,857	557
8746	Eridanus	8	27 46,07	2,732	105 20 32,2	7,856	466
8747	Taurus	8½	27 47,80	3,545	68 53 19,5	7,854	32
8748	Taurus σ²	4½	27 50,69	3,411	74 29 25,5	7,850	193
8749	Eridanus	8	27 54,27	2,795	102 34 41,7	7,846	562
8750	Eridanus	9	27 54,33	2,847	100 15 52,6	7,845	247
8751	Camelopardus .	8	27 56,32	6,023	22 37 17,3	7,843	375
8752	Taurus	7½	27 58,00	3,345	77 24 10,6	7,840	311
8753	Taurus	8½	27 59,82	3,582	67 23 29,6	7,838	36
8754	Eridanus	8	28 6,71	2,611	110 26 3,9	7,829	560
8755	Taurus	8½	28 7,53	3,777	60 6 36,7	7,828	136
8756	Camelopardus .	9	28 8,40	5,158	30 31 21,2	7,827	381
8757	Eridanus	8½	28 10,10	2,607	110 35 33,2	7,824	560
8758	Auriga	7	28 15,96	4,028	52 7 0,5	7,816	123
8759	Taurus	7	28 16,38	3,231	82 32 13,4	7,816	42
8760	Auriga	6	4 28 16,83	+4,028	52 7 1,0	-7,814	309

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8761	Taurus	9	4 28 20,53	+3,472	71 55 2,4	-7,811	195
8762	Taurus	8½	28 25,65	3,234	82 25 11,2	7,803	42
8763	Eridanus	7	28 28,36	2,429	117 27 48,0	7,800	564
8764	Eridanus	8	28 30,04	2,971	94 34 38,5	7,797	574
8765	Eridanus	8	28 43,12	2,546	113 1 42,4	7,780	558
8766	Taurus	8½	28 44,40	3,603	66 35 28,8	7,778	575
8767	Perseus	6	28 45,18	4,218	47 1 55,1	7,777	142
8768	Perseus	5½	28 45,22	4,218	47 1 53,8	7,776	5
8769	Eridanus	8	28 49,33	2,535	113 27 36,4	7,772	563
8770	Taurus	6	28 49,56	3,731	61 47 5,7	7,771	132
8771	Taurus	6	28 49,63	3,731	61 47 10,4	7,771	314
8772	Taurus	6	28 49,74	3,731	61 47 12,0	7,771	139
8773	Eridanus	7½	28 53,28	2,651	108 44 24,5	7,766	562
8774	Perseus	9	28 53,31	4,429	42 12 28,7	7,766	376
8775	Taurus c²	6	28 55,95	3,327	78 12 26,7	7,762	311
8776	Eridanus	3½	29 1,68	2,746	104 42 20,5	7,756	466
8777	Eridanus	3	29 1,68	2,746	104 42 18,2	7,755	557
8778	Eridanus	8	29 1,97	2,858	99 44 10,1	7,755	312
8779	Auriga	8½	29 5,06	4,033	52 0 33,8	7,750	123
8780	Auriga	8	29 6,17	4,033	52 0 36,9	7,746	309
8781	Eridanus	7½	29 10,36	2,663	108 13 28,1	7,743	562
8782	Eridanus	8	29 11,03	2,689	107 7 53,1	7,743	557
8783	Eridanus	8	29 12,90	2,943	95 52 51,2	7,740	574
8784	Auriga	9	29 13,08	4,104	50 0 42,2	7,740	138
8785	Eridanus	8	29 14,36	2,882	98 37 54,9	7,738	465
8786	Eridanus	8	29 14,89	3,059	90 29 14,4	7,738	49
8787	Camelopardus .	9	29 15,33	4,956	33 11 42,6	7,738	371
8788	Eridanus	8½	29 15,68	2,959	95 6 9,9	7,736	574
8789	Auriga	7½	29 16,97	4,035	51 58 17,8	7,734	123
8790	Taurus	•	29 17,01	3,733	61 44 22,2	7,734	139
8791	Taurus	9	29 17,31	3,733	61 44 23,4	7,734	314
8792	Auriga	7	29 17,64	4,035	51 58 17,0	7,734	309
8793	Camelopardus .	7½	29 19,06	4,646	38 3 23,6	7,732	44
8794	Eridanus	7½	29 19,72	2,594	111 5 54,2	7,731	560
8795	Auriga	8	29 20,95	3,963	54 5 8,1	7,729	130
8796	Perseus	8	29 29,16	4,430	42 12 59,1	7,718	376
8797	Taurus	8½	29 33,00	3,230	82 35 57,1	7,713	42
8798	Taurus	9	29 33,89	3,532	69 29 7,3	7,713	34
8799	Eridanus	6	29 34,13	2,795	102 31 43,5	7,711	562
8800	Eridanus	8	4 29 35,29	+2,438	117 6 27,4	-7,710	564

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8801	Eridanus	6½	4 29 38,08	+3,038	91 27 22,1	-7,705	251
8802	Eridanus	7½	29 43,98	2,619	110 2 55,1	7,698	560
8803	Auriga	9½	29 59,09	4,100	50 10 25,6	7,678	138
8804	Taurus	7½	29 59,24	3,610	66 23 18,5	7,678	575
8805	Taurus	8	29 59,30	3,610	66 23 8,9	7,678	196
8806	Perseus . . . . .	.	30 1,72	4,183	47 58 29,0	7,674	5
8807	Camelopardus .	8½	30 2,05	4,852	34 44 1,9	7,674	371
8808	Auriga	8	30 4,03	3,889	56 27 59,5	7,671	134
8809	Eridanus	6	30 8,26	2,744	104 45 25,8	7,665	466
8810	Eridanus	5½	30 8,57	2,744	104 45 22,6	7,665	557
8811	Camelopardus .	7½	30 11,72	4,674	37 36 28,6	7,661	44
8812	Taurus	8	30 12,85	3,583	67 27 13,3	7,659	32
8813	Taurus	8	30 12,90	3,583	67 27 12,7	7,659	36
8814	Perseus . . . . .	.	30 14,02	4,279	45 37 18,7	7,658	142
8815	Taurus τ	5	30 15,07	3,583	67 26 22,9	7,656	310
8816	Taurus τ	5	30 15,35	3,583	67 26 22,3	7,656	32
8817	Taurus τ	5	30 15,76	3,583	67 26 19,7	7,656	36
8818	Camelopardus .	9	30 17,58	4,798	35 34 49,1	7,652	374
8819	Camelopardus .	9½	30 27,05	4,815	35 18 44,0	7,640	374
8820	Eridanus	8	30 27,55	2,738	105 0 7,9	7,640	466
8821	Eridanus	9	30 33,20	3,035	91 35 59,6	7,632	251
8822	Taurus	8½	30 36,07	3,137	11 52 58,2	7,628	465
8823	Camelopardus .	8	30 36,66	6,099	22 12 27,5	7,628	375
8824	Eridanus	8	30 38,54	3,082	89 26 8,8	7,623	49
8825	Perseus	7½	30 42,34	4,400	42 54 41,1	7,619	315
8826	Taurus	8½	30 44,79	3,415	74 25 25,3	7,615	193
8827	Eridanus	7½	30 46,28	2,683	107 21 54,6	7,614	562
8828	Taurus	8	30 51,76	3,140	86 44 14,8	7,607	465
8829	Auriga	8	30 57,01	3,962	54 12 3,8	7,600	130
8830	Eridanus	8	30 58,07*	2,985	93 54 59,8	7,598	574
8831	Camelopardus .	8	30 59,51	5,118	31 8 32,6	7,597	381
8832	Camelopardus .	8	31 0,02	5,118	31 8 33,4	7,597	380
8833	Eridanus	7½	31 0,31	2,578	111 39 5,5	7,595	558
8834	Perseus	8½	31 1,52	4,401	42 54 45,3	7,593	376
8835	Auriga	7½	31 2,57	4,032	52 8 5,7	7,593	123
8836	Auriga	6½	31 2,75	4,032	52 8 8,4	7,592	309
8837	Taurus	6	31 8,07	3,613	66 18 12,3	7,585	575
8838	Taurus	7½	31 8,16	3,613	66 18 5,2	7,584	196
8839	Perseus	8	31 8,16	4,240	46 36 4,7	7,584	142
8840	Taurus	9	4 31 10,16	+3,709	62 41 18,8	-7,582	139

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8841	Camelopardus .	8½	4 31 11,42	+5,140	30 52 53,2	-7,580	380
8842	Camelopardus .	8½	31 11,47	5,140	30 53 0,5	7,580	381
8843	Taurus	9	31 16,14	3,254	81 32 29,2	7,573	42
8844	Taurus	8	31 17,95	3,525	69 45 54,0	7,572	252
8845	Taurus	8	31 18,33	3,271	80 45 29,2	7,571	205
8846	Eridanus	8	31 20,15	3,073	89 50 18,0	7,568	49
8847	Eridanus	7	31 20,87	2,914	97 8 41,5	7,567	465
8848	Eridanus	7	31 21,48	2,914	97 8 37,6	7,567	308
8849	Camelopardus .	5½	31 23,92	4,933	33 37 3,4	7,563	371
8850	Camelopardus .	8	31 25,46	8,621	12 34 38,8	7,561	352
8851	Eridanus	7½	31 25,97	2,736	105 4 54,4	7,560	466
8852	Taurus	9½	31 26,72	3,446	73 4 48,4	7,560	195
8853	Taurus	8½	31 29,44	3,331	78 4 56,0	7,556	311
8854	Camelopardus .	7½	31 31,87	5,528	26 44 51,2	7,553	379
8855	Eridanus	8½	31 34,16	2,543	113 5 52,5	7,550	558
8856	Taurus	8½	31 36,61	3,404	74 54 19,6	7,546	194
8857	Camelopardus .	9	31 37,47	4,883	34 20 14,5	7,545	371
8858	Camelopardus .	9	31 39,09	5,054	31 59 9,0	7,543	380
8859	Taurus	7½	31 39,94	3,329	79 10 15,1	7,542	311
8860	Eridanus	4½	31 41,52	2,617	110 4 0,3	7,540	560
8861	Eridanus	3½	31 42,43	2,617	110 3 52,2	7,538	562
8862	Taurus	8½	31 44,05	3,143	86 35 31,7	7,536	465
8863	Camelopardus .	8	31 45,98	4,855	34 46 30,1	7,534	371
8864	Camelopardus .	7	31 46,25	4,855	34 46 26,2	7,534	374
8865	Taurus	7	31 46,67	3,126	87 24 11,1	7,532	316
8866	Eridanus	5½	31 48,07	2,495	114 52 54,2	7,531	563
8867	Eridanus	6	31 48,18	2,495	114 52 56,9	7,531	564
8868	Taurus	8½	31 52,03	3,149	86 20 1,2	7,525	465
8869	Taurus	8	31 54,64	3,585	67 26 37,5	7,521	36
8870	Taurus	7	31 54,89*	3,585	67 26 40,2	7,521	32
8871	Camelopardus .	7½	31 59,57	4,710	37 4 45,9	7,515	44
8872	Auriga	8	32 2,36	3,931	55 13 33,0	7,511	134
8873	Auriga	8	32 2,57	3,931	55 13 39,5	7,511	130
8874	Eridanus	7	32 13,16	3,041	91 19 16,4	7,498	251
8875	Camelopardus .	8	32 13,90	4,700	37 15 41,2	7,496	44
8876	Taurus	9	32 16,02	3,614	66 18 5,6	7,493	196
8877	Taurus	8	32 16,18	3,614	66 17 58,2	7,493	575
8878	Camelopardus .	10	32 19,40	6,117	22 9 11,6	7,489	375
8879	Taurus	8	32 20,38	3,164	85 39 0,0	7,487	465
8880	Eridanus	7	4 32 23,49	+2,786	102 52 14,1	-7,483	562

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8881	Perseus	7	4 32 25.03	+4.185	48 2 21.3	-7.480	5
8882	Eridanus	7½	32 25.80	2.735	105 4 49.5	7.479	557
8883	Orion	8½	32 32.81	3.114	87 58 18.3	7.469	316
8884	Camelopardus .	9	32 39.46	4.717	37 24.6	7.461	44
8885	Eridanus	9	32 43.82	3.048	90 58 38.2	7.456	49
8886	Orion	9	32 48.17	3.176	85 7 25.5	7.449	46
8887	Orion	8	32 48.32	3.176	85 7 37.2	7.449	465
8888	Taurus	9½	32 48.32	3.784	60 6 11.5	7.449	136
8889	Orion	8	32 51.46	3.169	85 25 16.7	7.445	465
8890	Eridanus	6	32 51.87	2.936	96 8 50.9	7.444	308
8891	Eridanus	8½	32 55.22	2.989	93 42 50.2	7.440	574
8892	Auriga	6½	32 58.37	4.109	50 3 58.5	7.435	138
8893	Camelopardus .	8½	33 8.41	6.123	22 8 28.1	7.422	375
8894	Auriga	7½	33 8.47	4.147	49 4 26.3	7.422	5
8895	Eridanus	8	33 8.95	2.507	114 22 10.6	7.421	563
8896	Orion	9	33 9.97	3.164	85 39 10.1	7.420	465
8897	Auriga	9	33 20.13	4.005	53 1 8.8	7.406	309
8898	Taurus	6	33 21.41	3.306	79 14 19.8	7.404	311
8899	Taurus	7	33 21.63	3.306	79 14 23.6	7.404	205
8900	Eridanus	6	33 22.43	2.920	96 51 27.2	7.403	308
8901	Perseus	7	33 24.71	4.317	44 53 18.2	7.399	6
8902	Perseus	7½	33 24.79	4.317	44 54 8.4	7.399	142
8903	Taurus	8	33 25.56	3.385	75 45 25.0	7.399	203
8904	Camelopardus .	6½	33 27.44	5.524	26 51 25.6	7.396	379
8905	Orion	9	33 30.56	3.091	89 0 42.3	7.393	49
8906	Camelopardus .	9	33 35.34	6.017	22 52 23.2	7.386	375
8907	Taurus	6½	33 38.62	3.604	66 45 11.9	7.381	32
8908	Taurus	6½	33 38.69	3.604	66 45 10.5	7.381	575
8909	Camelopardus .	9½	33 40.93	4.720	37 0 13.0	7.377	374
8910	Taurus	7½	33 41.08	3.604	66 45 12.8	7.377	196
8911	Eridanus	9	33 44.27	2.706	106 17 50.6	7.374	557
8912	Eridanus	8	33 44.88	2.850	99 59 30.7	7.372	312
8913	Eridanus	9	33 51.72	2.720	105 43 15.2	7.363	557
8914	Taurus	8	33 53.28	3.497	71 3 10.9	7.360	252
8915	Eridanus	8	33 54.00	2.583	111 21 50.7	7.360	558
8916	Eridanus	8	33 54.55	2.583	111 21 39.6	7.359	560
8917	Taurus	8	33 55.63	3.667	64 20 35.1	7.358	204
8918	Eridanus	6½	33 55.97	2.527	113 34 2.7	7.357	563
8919	Eridanus	7	33 56.45	2.527	113 34 0.3	7.357	558
8920	Auriga	9	4 33 57.47	+4.108	50 8 44.0	-7.355	138

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8921	Eridanus	8½	4 33 58,58	+2,660	108 13 7,4	-7,354	562
8922	Eridanus	8½	33 59,49	2,869	99 10 43,1	7,353	465
8923	Eridanus	8½	34 6,30	2,992	93 33 3,7	7,343	574
8924	Eridanus	8	34 6,74	2,713	106 0 23,9	7,343	557
8925	Orion	9	34 13,05	3,177	85 5 21,0	7,335	46
8926	Orion	8	34 14,56	3,131	87 10 31,2	7,331	316
8927	Taurus	8½	34 15,24	3,493	71 12 2,2	7,331	252
8928	Taurus	8½	34 18,44	3,606	66 42 19,4	7,327	575
8929	Taurus	8½	34 18,57	3,606	66 42 10,1	7,326	32
8930	Taurus	9	34 18,87	3,606	66 42 11,0	7,326	196
8931	Eridanus	8	34 18,93	2,826	101 4 7,5	7,326	562
8932	Auriga	7½	34 25,29	3,986	53 39 6,5	7,318	130
8933	Taurus	9	34 25,98	3,493	71 14 39,4	7,316	195
8934	Eridanus	8	34 27,21	3,074	89 48 41,5	7,314	49
8935	Eridanus	7	34 29,33	2,875	98 53 14,3	7,312	465
8936	Eridanus	9	34 31,70	3,030	91 48 56,2	7,309	251
8937	Taurus	7	34 36,63	3,483	71 38 21,1	7,302	195
8938	Perseus	8	34 40,72	4,397	43 10 39,8	7,297	6
8939	Eridanus	8	34 41,48	2,925	96 36 22,7	7,297	308
8940	Camelopardus .	9	34 48,53	4,652	38 13 3,2	7,286	44
8941	Eridanus	7	34 52,56	2,515	114 ■ 49,8	7,281	563
8942	Eridanus	8	34 52,75	2,515	114 0 44,9	7,280	559
8943	Taurus	6	34 54,87	3,319	78 40 18,3	7,278	311
8944	Taurus	8½	35 5,14	3,406	74 54 10,7	7,263	194
8945	Camelopardus .	8½	35 6,04	6,034	22 48 28,2	7,262	375
8946	Eridanus	8	35 7,14	2,598	110 44 6,8	7,261	560
8947	Perseus	8	35 8,04	4,268	46 7 36,0	7,259	142
8948	Eridanus	8	35 11,91	2,994	93 27 28,3	7,254	574
8949	Eridanus	8	35 13,45	2,929	96 26 18,3	7,252	308
8950	Taurus	8½	35 14,78	3,386	75 46 46,7	7,251	203
8951	Eridanus	6	35 17,31	2,639	109 2 54,8	7,246	560
8952	Orion	7½	35 23,00	3,157	86 0 53,1	7,240	465
8953	Camelopardus .	8½	35 23,08	4,824	35 24 12,3	7,240	374
8954	Eridanus	8	35 25,99	2,579	111 29 19,0	7,235	559
8955	Camelopardus .	9½	35 26,53	4,659	38 7 52,4	7,235	44
8956	Camelopardus .	9	35 28,44	5,329	28 54 21,4	7,231	381
8957	Taurus	9	35 28,71	3,478	71 52 56,8	7,231	195
8958	Eridanus .. μ	4	35 30,54	2,990	93 37 57,8	7,229	574
8959	Eridanus	7½	35 32,09	2,701	106 26 47,5	7,226	557
8960	Orion	8	4 35 37,04	+3,129	87 17 15,3	-7,219	465

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8961	Orion	8	4 35 37.10	+3,129	87 17 1.5	-7,219	316
8962	Eridanus	8	35 40.70	2,453	116 18 1.7	7,215	564
8963	Eridanus	8½	35 43.40	2,633	109 16 35.5	7,211	560
8964	Camelopardus .	7	35 43.46	5,332	28 52 34.6	7,211	381
8965	Taurus	8	35 44.04	3,758	61 7 56.0	7,211	139
8966	Taurus	7	35 44.13	3,758	61 7 47.7	7,210	136
8967*	Camelopardus .	9½	35 44.93	4,822	35 27 29.7	7,209	374
8968	Orion	7½	35 47.02	3,133	87 6 29.0	7,206	465
8969	Orion	7½	35 47.60	3,133	87 6 25.3	7,206	316
8970	Eridanus	7½	35 48.35	2,998	93 17 7.9	7,205	574
8971	Auriga	9	35 49.38	3,897	56 27 37.7	7,202	134
8972	Orion	8½	35 50.76	3,259	81 21 23.0	7,201	42
8973	Perseus	9	35 52.87	4,265	46 13 59.3	7,197	142
8974	Taurus	8	35 58.66	3,695	63 24 17.7	7,191	204
8975	Auriga	8½	36 3.46	4,010	53 1 44.4	7,185	123
8976	Auriga	7½	36 4.38	4,009	53 1 59.5	7,183	130
8977	Perseus	9	36 4.66	4,253	46 31 33.6	7,183	142
8978	Auriga	8	36 4.83	4,009	53 1 57.1	7,183	309
8979	Eridanus	9	36 6.44	2,670	107 45 38.4	7,180	562
8980	Orion	8	36 7.46	3,283	80 19 17.2	7,179	205
8981	Perseus	7	36 9.33	4,475	41 37 15.8	7,176	376
8982	Orion	9½	36 10.18	3,260	81 18 45.4	7,174	42
8983	Orion	9	36 10.60	3,130	87 13 6.6	7,174	316
8984	Eridanus	8½	36 15.43	2,599	110 39 9.1	7,168	560
8985	Eridanus	7½	36 15.92	2,998	93 17 8.0	7,167	251
8986	Eridanus	8½	36 16.74	2,908	97 21 36.8	7,165	465
8987	Eridanus . . . .	.	36 17.47	2,908	97 21 31.4	7,164	308
8988	Taurus	9	36 20.67	3,400	75 10 51.6	7,161	194
8989	Eridanus	6½	36 23.02	2,997	93 19 31.1	7,157	251
8990	Eridanus	7	36 23.19	2,997	93 19 27.0	7,157	574
8991	Taurus	8	36 24.68	3,636	65 37 31.4	7,155	575
8992	Auriga	6½	36 24.89	3,822	58 55 38.6	7,155	136
8993	Auriga	6½	36 24.98	3,857	57 46 34.2	7,155	134
8994	Taurus	8½	36 25.64	3,636	65 37 19.1	7,153	196
8995	Auriga	6	36 27.77	4,015	52 52 44.5	7,152	123
8996	Eridanus	6	36 28.17	2,573	111 39 34.9	7,150	559
8997	Auriga	5½	36 28.67	4,015	52 52 48.0	7,150	309
8998	Auriga	5½	36 29.04	4,015	52 52 48.5	7,150	130
8999	Eridanus	8	36 30.79	2,797	102 19 26.0	7,147	562
9000	Orion	7	4 36 38.15	+3,188	84 34 54.4	-7,137	46

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9001	Taurus	7½	4 36 38.75	+3,768	60 47 35.6	-7.136	136
9002	Eridanus	8½	36 39.50	2,671	107 41 30.1	7.135	562
9003	Taurus	8	36 43.43	3,697	63 21 8.9	7.130	204
9004	Taurus	8	36 46.07	3,734	62 0 55.3	7.125	139
9005	Eridanus	8	36 46.63	2,805	101 56 4.3	7.125	562
9006	Camelopardus .	8½	36 47.27	4,834	35 18 56.2	7.124	374
9007	Eridanus	8	36 50.89	2,773	103 20 59.1	7.119	466
9008	Taurus	7½	36 51.67	3,548	69 2 57.3	7.119	36
9009	Taurus	6½	36 51.89	3,548	69 3 5.7	7.118	252
9010	Taurus	7	36 52.05	3,548	69 3 0.2	7.117	32
9011	Taurus	8	36 59.97	3,485	71 38 5.9	7.108	195
9012	Perseus	7½	37 2.74	4,343	44 29 43.1	7.103	6
9013	Taurus	8	37 12.12	3,435	73 43 43.4	7.091	194
9014	Camelopardus .	8	37 16.11	6,080	22 34 6.3	7.084	375
9015	Perseus	7½	37 19.20	4,245	46 46 52.2	7.081	142
9016	Orion	8	37 21.98	3,348	77 26 26.6	7.076	203
9017	Auriga	8	37 22.93	4,026	52 36 9.6	7.076	123
9018	Camelopardus .	7	37 23.02	4,699	37 31 4.6	7.076	44
9019	Auriga	7½	37 23.43	4,026	52 36 24.8	7.074	309
9020	Camelopardus .	9½	37 27.48	4,904	34 18 24.3	7.069	371
9021	Eridanus	9	37 28.39	3,060	90 27 18.3	7.068	49
9022	Eridanus	8	37 33.10	2,658	108 11 48.5	7.062	562
9023	Eridanus	9	37 38.48	2,568	111 50 5.7	7.055	559
9024	Taurus	9	37 44.13	3,602	66 57 43.6	7.047	196
9025	Perseus	7	37 45.81	4,348	44 24 54.6	7.044	6
9026	Eridanus	6½	37 48.60	2,471	115 32 3.5	7.041	564
9027	Orion	8½	37 49.95	3,076	89 41 26.9	7.039	49
9028	Taurus	8	37 50.81	3,565	68 24 46.7	7.037	32
9029	Orion	8	37 52.65	3,234	82 31 34.0	7.036	42
9030	Taurus	9	37 53.98	3,732	62 7 24.9	7.034	139
9031	Orion	6½	38 2.03	3,121	87 39 14.7	7.023	316
9032	Taurus	8½	38 4.83	3,418	74 28 24.0	7.018	194
9033	Camelopardus .	7½	38 8.11	5,749	25 3 53.5	7.015	379
9034	Orion	7½	38 9.04	3,140	86 47 37.7	7.012	465
9035	Camelopardus .	9	38 11.04	6,033	22 55 9.2	7.009	375
9036	Auriga	9	38 12.59	3,906	56 15 54.4	7.008	134
9037	Orion	6½	38 14.45	3,140	86 46 28.7	7.004	465
9038	Taurus	6½	38 18.02	3,418	74 27 27.1	7.000	194
9039	Eridanus	7½	38 21.39	2,574	111 34 53.3	6.995	559
9040	Taurus	8	4 38 22.15	+3,735	62 2 40.9	-6.995	139

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9041	Orion	7	4 38 25.97	+3,143	86° 40' 17.5	-6,989	465
9042	Auriga	9	38 26.43	3,813	59 19 49.8	6,989	136
9043	Eridanus	9	38 30.61	3,032	91 43 13.1	6,983	251
9044	Taurus	8	38 32.69	3,410	74 49 42.9	6,980	194
9045	Eridanus	5½	38 37.20	2,679	107 18 37.7	6,974	562
9046	Eridanus	5½	38 37.39	2,679	107 18 38.6	6,974	557
9047	Orion	7½	38 39.94	3,367	76 40 11.1	6,971	203
9048	Eridanus	7½	38 40.14	2,440	116 40 18.7	6,970	564
9049	Perseus	6½	38 41.99	4,208	47 46 0.1	6,968	5
9050	Eridanus	7	38 42.62	2,852	99 51 17.3	6,966	312
9051	Eridanus	5½	38 43.37	2,937	96 1 26.7	6,965	308
9052	Camelopardus .	6½	38 45.19	4,855	35 5 25.2	6,963	371
9053	Camelopardus .	7	38 45.28	4,855	35 5 25.2	6,963	374
9054	Auriga	8½	38 47.08	4,083	51 4 2.7	6,961	138
9055	Taurus	8	38 50.36	3,449	73 9 8.1	6,956	195
9056	Auriga	8	38 57.80	3,991	53 42 8.3	6,945	130
9057	Orion..... π¹	5	38 59.07	3,215	83 23 55.1	6,944	42
9058	Perseus	8½	38 59.40	4,259	46 32 9.7	6,944	142
9059	Orion..... π¹	4½	38 59.60	3,215	83 23 58.6	6,944	46
9060	Taurus	8½	39 0.01	3,746	61 39 46.0	6,942	139
9061	Eridanus	8½	39 3.19	2,933	96 12 31.4	6,939	308
9062	Auriga	9	39 4.21	3,985	53 52 48.6	6,937	130
9063	Auriga	8	39 6.63	3,919	55 54 46.4	6,934	134
9064	Orion	8	39 7.95	3,297	79 45 6.3	6,932	205
9065	Eridanus	8	39 9.40	2,583	111 10 30.6	6,930	560
9066	Orion	8	39 9.66	3,110	88 9 26.8	6,929	316
9067	Eridanus	7½	39 12.05	2,800	102 6 52.3	6,926	562
9068	Eridanus	9	39 14.71	2,905	97 28 18.6	6,923	465
9069	Auriga	5½	39 16.33	3,993	53 39 1.3	6,920	130
9070	Auriga	5½	39 16.54	3,993	53 39 0.2	6,920	309
9071	Taurus	8	39 19.97	3,426	74 8 45.9	6,915	194
9072	Auriga	7	39 24.33	3,819	59 11 5.1	6,910	136
9073	Eridanus	8½	39 25.09	2,979	94 8 32.8	6,909	574
9074	Orion	9	39 26.86	3,379	76 8 15.5	6,905	203
9075	Orion	9	39 32.42	3,215	83 24 27.4	6,900	42
9076	Orion	8	39 32.80	3,215	83 24 28.9	6,898	46
9077	Eridanus	6	39 32.82	2,693	106 41 32.2	6,898	557
9078	Auriga	8½	39 36.42	3,843	58 22 9.2	6,893	140
9079	Eridanus	7½	39 38.31	2,697	106 31 42.3	6,892	557
9080	Eridanus	9	4 39 39.70	+2,581	111 16 31.3	-6,889	560

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9081	Taurus i	8	4 39 40,89	+3,490	71 30 46,7	-6,887	195
9082	Taurus i	6	39 41,12	3,490	71 30 49,9	6,887	252
9083	Orion	7½	39 42,53	3,143	86 40 32,7	6,885	465
9084	Taurus	9	39 49,32	3,603	66 59 54,4	6,876	196
9085	Camelopardus .	7	39 52,36	5,143	31 13 12,4	6,872	381
9086	Eridanus	8	39 57,32	2,920	96 46 28,4	6,864	308
9087	Auriga	8½	39 57,48	3,929	55 38 33,4	6,864	134
9088	Taurus	8	39 58,66	3,408	74 55 8,5	6,863	194
9089	Eridanus	8	40 3,01	2,674	107 29 27,0	6,857	562
9090	Orion	•	40 5,98	3,156	86 3 31,6	6,853	465
9091	Orion	8	40 8,02	3,307	79 17 9,9	6,850	205
9092	Auriga	9	40 9,93	4,112	50 19 56,5	6,847	138
9093	Auriga	8	40 11,23	3,998	53 32 29,6	6,845	130
9094	Auriga	8½	40 11,84	4,339	44 43 20,2	6,844	6
9095	Camelopardus .	6½	40 18,35	4,710	37 28 37,9	6,836	44
9096	Taurus	6½	40 18,61	3,725	62 27 6,0	6,836	139
9097	Eridanus	8	40 21,78	2,793	102 24 2,5	6,831	562
9098	Camelopardus .	8	40 22,61	4,898	34 30 56,7	6,829	371
9099	Eridanus	7½	40 24,46	2,520	113 37 15,4	6,827	563
9100	Eridanus	8	40 24,70	2,520	113 37 46,3	6,826	559
9101	Orion	7	40 26,58	3,087	89 12 18,0	6,825	316
9102	Eridanus	8	40 26,59	2,800	102 6 11,2	6,824	562
9103	Taurus	8½	40 31,07	3,732	62 14 19,9	6,819	139
9104	Eridanus	7½	40 31,11	2,977	94 13 13,9	6,818	574
9105	Eridanus	9	40 31,35	2,994	93 26 49,6	6,818	251
9106	Auriga	6½	40 31,54	4,275	46 16 52,1	6,817	142
9107	Eridanus	6½	40 32,28	2,753	104 7 3,0	6,817	466
9108	Auriga	8	40 33,01	4,000	53 35 28,7	6,816	130
9109	Orion	6½	40 33,33	3,367	76 41 42,7	6,816	311
9110	Orion	7	40 33,64	3,367	76 41 42,6	6,814	203
9111	Orion π ³	5½	40 33,87	3,185	84 44 53,6	6,814	46
9112	Orion	8	40 35,86	3,060	90 26 50,9	6,813	49
9113	Camelopardus .	8½	40 36,12	4,665	38 14 43,7	6,811	44
9114	Camelopardus .	8	40 41,71	6,319	21 9 46,7	6,803	375
9115	Orion	7	40 44,85	3,283	80 22 38,8	6,799	205
9116	Eridanus	7½	40 45,38	2,525	113 25 11,3	6,798	563
9117	Eridanus	8	40 45,90	2,525	113 25 9,3	6,798	559
9118	Auriga	9	40 57,83	4,317	45 4 45,4	6,781	142
9119	Orion	8	40 58,85	3,281	80 28 38,1	6,780	205
9120	Orion	8½	4 41 1,49	+3,154	86 10 3,9	-6,776	465

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9121	Eridanus	•	4 41 1,61	+2,758	103 55 27,3	-6,776	466
9122	Eridanus	8	41 9,64	2,758	103 54 29,2	6,766	466
9123	Eridanus	5½	41 10,91	2,695	106 34 24,6	6,764	557
9124	Eridanus	8½	41 13,40	2,850	99 53 10,0	6,761	312
9125	Orion .....0¹	5	41 13,95	3,381	76 5 44,1	6,759	203
9126	Orion	9	41 16,79	3,050	90 53 50,1	6,756	49
9127	Orion	8	41 17,06	3,050	90 53 50,9	6,754	251
9128	Camelopardus .	5	41 17,52	4,770	36 35 11,7	6,754	374
9129	Taurus	9½	41 20,25	3,768	61 0 3,7	6,751	136
9130	Orion	8	41 20,96	3,161	85 49 44,4	6,750	465
9131	Auriga	9	41 21,90	4,110	50 26 11,1	6,748	138
9132	Taurus	7	41 22,12	3,658	64 58 43,1	6,748	204
9133	Orion	8	41 22,39	3,390	75 43 20,5	6,748	203
9134	Auriga	8	41 28,03	4,316	45 18 18,8	6,741	142
9135	Eridanus	8½	41 29,64	2,993	93 29 28,1	6,738	575
9136	Taurus	7	41 30,78	3,604	67 1 47,0	6,736	196
9137	Taurus	7	41 30,83	3,604	67 1 49,5	6,736	36
9138	Taurus	7	41 30,83	3,604	67 1 48,3	6,736	32
9139*	Orion	8	41 31,59	3,338	77 57 43,5	6,735	311
9140	Orion	8½	41 31,70	3,281	80 29 3,2	6,735	205
9141	Eridanus	8	41 32,47	2,795	102 17 49,2	6,734	562
9142	Eridanus	7	41 33,30	2,981	94 0 36,4	6,733	574
9143	Orion	8	41 36,25	3,165	85 39 16,1	6,728	465
9144	Eridanus	9	41 38,84	2,845	100 6 21,7	6,725	312
9145	Taurus	8	41 39,06	3,610	66 47 29,2	6,725	36
9146	Taurus	8	41 39,08	3,610	66 47 26,7	6,725	196
9147	Taurus	7½	41 39,41	3,610	66 47 23,0	6,725	32
9148	Eridanus	9	41 44,62	2,626	109 24 34,0	6,717	560
9149	Eridanus	8½	41 45,40	2,626	109 24 38,6	6,716	562
9150	Eridanus	8	41 48,71	2,820	101 13 15,5	6,711	562
9151	Orion	8½	41 49,48	3,157	86 11 46,8	6,710	465
9152	Orion	7½	41 52,10	3,095	88 50 5,6	6,707	316
9153	Taurus	9	41 52,56	3,753	61 31 46,8	6,707	139
9154	Taurus	8	41 54,17	3,497	71 16 22,1	6,704	252
9155	Taurus	9	41 54,51	3,497	71 16 22,1	6,704	195
9156	Eridanus	7½	41 56,39	2,629	109 15 5,7	6,701	560
9157	Eridanus	7	41 57,47	2,630	109 14 56,5	6,700	562
9158	Eridanus	8	41 58,71	2,489	114 43 7,8	6,698	563
9159	Taurus	9	42 7,51	3,598	67 16 20,1	6,685	36
9160	Auriga	9	4 42 9,59	+4,444	42 32 27,0	-6,683	376

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9201	Taurus	8	4 43 26,52	+3,433	73 57 5,2	-6,577	194
9202	Auriga	9	43 26,60	4,090	51 4 45,5	6,577	138
9203	Taurus	9	43 26,97	3,728	62 29 43,2	6,577	139
9204	Orion	9	43 26,98	3,226	82 57 19,5	6,577	42
9205	Camelopardus .	8½	43 31,51	4,697	37 50 1,6	6,570	44
9206	Orion	7½	43 32,87	3,339	77 58 57,9	6,568	311
9207	Orion	7	43 35,41	3,097	88 46 14,7	6,564	316
9208	Orion	8	43 40,04	3,391	75 44 34,4	6,558	203
9209	Eridanus	8½	43 40,84	2,678	107 12 35,5	6,557	562
9210	Camelopardus .	7	43 41,60	5,328	29 14 8,0	6,556	381
9211	Orion g	5½	43 42,34	3,317	78 54 43,2	6,555	311
9212	Taurus	8	43 50,19	3,439	73 42 50,9	6,545	194
9213	Orion π ³	4	43 50,56	3,116	87 53 48,1	6,542	316
9214	Camelopardus .	7	43 52,71	4,737	37 10 13,1	6,540	374
9215	Taurus	8	43 52,95	3,522	70 18 52,7	6,540	252
9216	Orion π ¹	6	43 53,82	3,289	80 10 46,6	6,539	205
9217	Camelopardus .	9	43 54,90	5,120	31 39 18,2	6,537	380
9218	Camelopardus .	9	43 56,77	4,755	36 52 23,8	6,536	374
9219	Auriga	8½	43 57,72	4,099	50 51 6,4	6,534	138
9220	Taurus	8	43 59,43	3,624	66 19 45,7	6,531	196
9221	Auriga i	4	43 59,50	3,886	57 9 56,8	6,531	140
9222	Auriga i	4	44 0,16	3,886	57 9 56,4	6,531	134
9223	Taurus	7	44 6,01	3,640	65 44 24,8	6,523	204
9224	Eridanus	8½	44 6,22	3,024	92 3 49,3	6,522	251
9225	Auriga	8	44 6,29	4,105	50 41 50,3	6,522	138
9226	Taurus	7½	44 6,30	3,587	67 45 14,8	6,522	36
9227	Eridanus	8	44 7,12	2,676	107 18 22,1	6,521	562
9228	Taurus	7½	44 19,35	3,561	68 45 33,5	6,504	36
9229	Taurus	8	44 19,57	3,561	68 45 29,3	6,504	32
9230	Eridanus	6½	44 28,02	2,991	93 33 46,1	6,492	575
9231	Orion	7	44 28,13	3,402	75 17 34,0	6,492	203
9232	Eridanus	8½	44 29,73	3,023	92 7 52,5	6,489	251
9233	Taurus	8	44 31,05	3,606	67 1 46,1	6,488	196
9234	Eridanus	7½	44 34,94	2,581	111 6 43,9	6,482	559
9235	Orion	6½	44 35,25	3,073	89 52 5,5	6,482	49
9236	Eridanus	7	44 35,50	2,581	111 6 48,4	6,482	560
9237	Eridanus	7½	44 37,29	2,942	95 45 20,2	6,479	308
9238	Eridanus	8½	44 40,50	2,654	108 9 51,7	6,475	562
9239	Orion	9	44 42,69	3,187	84 41 53,6	6,471	46
9240	Eridanus	8	4 44 43,26	+2,782	102 48 2,5	-6,471	562

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9241	Camelopardus .	7½	4 44 48,97	+6,311	21 20 6,6	-6,464	375
9242	Camelopardus .	9	44 54,91	5,162	33 11 5,4	6,455	380
9243	Orion	7	44 59,33	3,235	82 33 19,7	6,449	42
9244	Auriga	7	44 59,94	4,024	52 59 38,4	6,448	309
9245	Auriga	7½	44 59,96	4,024	52 59 39,7	6,448	130
9246	Auriga . . . . .	.	45 6,87	4,251	47 0 3,4	6,439	142
9247	Auriga	8	45 6,88	4,251	47 0 3,2	6,439	5
9248	Orion 0²	4½	45 8,13	3,366	76 48 47,8	6,437	311
9249	Orion	9	45 9,80	3,054	90 41 9,6	6,434	49
9250	Taurus	9	45 12,87	3,717	62 56 38,4	6,430	139
9251	Camelopardus .	8	45 16,92	4,896	34 44 33,3	6,424	371
9252	Taurus	8	45 17,24	3,443	73 35 33,2	6,424	194
9253	Orion . . . . .	.	45 18,94	3,166	85 39 49,4	6,422	465
9254	Auriga	7½	45 19,05	3,795	60 12 1,4	6,422	136
9255	Orion	7	45 20,39	3,182	84 55 52,3	6,419	46
9256	Orion	8	45 20,75	3,238	82 25 22,5	6,419	42
9257	Auriga	8½	45 31,39	3,927	55 55 57,8	6,404	134
9258	Camelopardus .	9	45 36,55	5,275	29 53 25,9	6,397	381
9259	Auriga	9	45 38,96	3,787	60 28 38,8	6,394	136
9260	Auriga	7½	45 40,22	4,193	48 26 57,4	6,393	5
9261	Orion	7	45 40,30	3,098	88 42 23,0	6,393	316
9262	Taurus	6	45 41,12	3,624	66 22 37,4	6,392	196
9263	Camelopardus .	3½	45 41,32	5,277	29 52 16,9	6,391	381
9264	Auriga	8	45 41,34	4,279	46 20 8,1	6,391	142
9265	Eridanus	9	45 41,80	3,011	92 40 11,2	6,390	251
9266	Orion	8	45 41,93	3,170	85 27 56,2	6,390	465
9267	Auriga	5	45 42,20	4,045	52 25 37,0	6,390	309
9268	Orion	7	45 46,05	3,133	87 9 9,2	6,384	465
9269	Eridanus	7½	45 47,46	2,927	96 26 8,5	6,383	308
9270	Orion	8	45 47,58	3,108	88 17 5,3	6,383	316
9271	Taurus	6	45 49,37	3,453	73 10 24,6	6,380	194
9272	Taurus	6½	45 49,53	3,453	73 10 21,7	6,380	195
9273	Taurus	6	45 49,74	3,453	73 10 23,2	6,380	254
9274	Taurus &	6	45 55,73	3,654	65 16 18,9	6,371	204
9275	Auriga	9	46 2,61	4,335	45 3 50,0	6,361	6
9276	Auriga	8	46 5,69	3,788	60 28 41,0	6,357	136
9277	Eridanus	6	46 9,38	2,680	107 4 18,7	6,352	562
9278	Eridanus	8½	46 9,40	2,590	110 43 18,5	6,352	560
9279	Eridanus	6	46 9,42	2,680	107 4 22,7	6,352	467
9280	Eridanus	5½	4 46 9,76	+2,679	107 4 12,8	-6,352	557

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9281	Orion	9	4 46 10.48	+3,304	79 31 3.3	-6,351	205
9282	Eridanus	9	46 10.76	2,807	101 42 36.8	6,350	562
9283	Eridanus	8	46 14.77	2,944	95 39 7.2	6,345	308
9284	Eridanus	6	46 19.63	2,688	106 45 1.6	6,338	562
9285	Eridanus	6	46 19.69	2,688	106 45 11.1	6,337	467
9286	Eridanus	5½	46 20.13	2,687	106 44 56.0	6,337	557
9287	Auriga	9	46 20.55	4,263	46 45 8.8	6,337	142
9288	Auriga	9	46 24.80	4,504	41 29 37.5	6,331	376
9289	Auriga	8½	46 29.14	4,135	49 59 8.5	6,324	138
9290	Orion	7	46 30.53	3,135	87 2 31.0	6,323	465
9291	Orion	8	46 30.90	3,096	88 48 16.3	6,323	316
9292	Auriga	9½	46 31.73	3,793	60 18 14.5	6,322	140
9293	Eridanus .. b	6	46 33.23	2,947	95 29 55.0	6,319	575
9294	Eridanus .. b	5½	46 33.26	2,947	95 29 53.8	6,319	308
9295	Orion	9	46 34.01	3,169	85 31 54.4	6,319	465
9296	Auriga	8½	46 34.67	3,824	59 15 40.6	6,317	140
9297	Auriga	6½	46 35.19	4,100	50 55 26.5	6,317	138
9298	Camelopardus .	7	46 36.19	8,237	13 48 3.6	6,316	352
9299	Auriga	6½	46 37.82	4,110	50 39 51.3	6,313	138
9300	Auriga	9	46 38.05	4,264	46 44 18.9	6,313	142
9301	Eridanus	8½	46 39.56	2,451	115 59 20.0	6,310	564
9302	Camelopardus .	9	46 39.69	4,657	38 38 45.6	6,310	44
9303	Auriga	9	46 44.07	3,841	58 44 0.1	6,305	140
9304	Taurus	9	46 44.83	3,622	66 29 0.0	6,304	196
9305	Taurus	9	46 44.88	3,421	74 31 27.3	6,304	194
9306	Auriga	7½	46 44.98	4,345	44 52 13.4	6,303	6
9307	Taurus	8½	46 45.23	3,421	74 31 28.8	6,303	314
9308	Orion	9	46 49.81	3,067	90 6 6.2	6,297	49
9309	Auriga	8	46 51.10	4,132	50 5 9.8	6,294	138
9310	Eridanus	8	46 52.31	2,956	95 6 21.8	6,293	575
9311	Eridanus	8	46 52.61	2,725	105 12 18.9	6,293	466
9312	Auriga	9	46 52.64	4,079	51 30 34.2	6,293	309
9313	Eridanus	8½	46 57.37	2,814	101 22 41.5	6,286	562
9314	Camelopardus .	9	46 58.84	4,857	35 23 23.2	6,284	374
9315	Orion	8½	47 1.89	3,378	76 21 53.5	6,279	203
9316	Orion	6½	47 9.07	3,039	91 23 24.6	6,269	251
9317	Auriga	7½	47 9.41	4,003	53 41 19.4	6,269	130
9318	Taurus	9	47 14.31	3,417	74 41 57.8	6,262	194
9319	Taurus	8½	47 15.71	3,417	74 42 4.1	6,261	314
9320	Lepus	7½	4 47 15.72	+2,515	113 34 36.2	-6,261	559

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9321	Camelopardus .	9	4 47 16,25	+5,147	31 26 47,3	-6,259	380
9322	Auriga	9	47 17,53	4,201	48 18 34,2	6,258	5
9323	Camelopardus .	9	47 17,65	5,259	30 7 28,2	6,258	381
9324	Taurus	9	47 17,76	3,675	64 30 39,5	6,257	204
9325	Auriga	9	47 18,46	4,260	46 52 45,2	6,256	142
9326	Taurus	8	47 19,83	3,679	64 22 40,3	6,254	204
9327	Lepus	6½	47 19,88	2,448	116 3 26,0	6,254	564
9328	Lepus	8	47 20,59	2,655	108 3 43,2	6,253	562
9329	Eridanus	8½	47 20,88	2,816	101 16 12,0	6,253	563
9330	Eridanus	8	47 22,56	2,873	98 47 3,3	6,250	465
9331	Taurus	9	47 26,30	3,620	66 33 56,4	6,246	196
9332	Taurus	7	47 27,57	3,718	62 59 24,3	6,243	139
9333	Auriga	9½	47 35,29	4,009	53 32 13,3	6,233	130
9334	Auriga	8	47 35,47	4,123	50 21 12,4	6,233	138
9335	Orion	8½	47 36,99	3,392	75 46 6,7	6,230	203
9336	Taurus	8½	47 37,57	3,529	70 7 28,5	6,229	252
9337	Auriga	4	47 38,75	4,282	46 29 22,0	6,229	142
9338	Orion	7	47 39,29	3,392	75 46 30,7	6,228	203
9339	Lepus	8	47 47,84	2,694	106 27 33,7	6,216	467
9340	Eridanus	8½	47 47,95	2,815	101 20 19,3	6,215	563
9341	Lepus	7½	47 48,52	2,694	106 27 25,3	6,215	557
9342	Orion	8	47 49,58	3,100	88 38 40,2	6,213	316
9343	Eridanus	8	47 49,87	2,934	96 4 13,0	6,213	308
9344	Camelopardus .	9	47 50,46	4,856	35 26 24,8	6,212	374
9345	Taurus	9½	47 51,69	3,771	61 6 40,3	6,210	136
9346	Eridanus	8	47 55,59	2,959	94 58 28,4	6,205	575
9347	Eridanus	8½	47 55,94	2,929	96 19 3,7	6,204	308
9348	Orion	9	47 58,71	3,263	81 20 43,8	6,200	42
9349	Eridanus	8½	48 0,96	2,812	101 27 35,9	6,197	563
9350	Auriga	8	48 1,45	4,411	43 28 52,1	6,197	6
9351	Auriga	8	48 2,80	4,081	51 31 24,4	6,194	309
9352	Lepus	8	48 3,51	2,513	113 36 59,8	6,194	559
9353	Orion	8	48 3,69	3,073	89 51 48,3	6,194	49
9354	Eridanus	6	48 4,84	2,739	104 33 6,9	6,192	466
9355	Eridanus	6½	48 6,75	3,013	92 31 55,5	6,189	251
9356	Auriga	9	48 7,69	4,275	46 32 44,3	6,189	142
9357	Eridanus	7	48 7,96	2,926	96 25 17,1	6,187	308
9358	Orion	4½	48 11,32	3,101	88 36 15,3	6,183	316
9359	Taurus	7½	48 16,13	3,425	74 23 16,6	6,177	194
9360	Taurus	7	4 48 16,28	+3,425	74 23 48,8	-6,176	314

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9361	Camelopardus .	9	4 48 20.59	+4,866	35° 18' 58.0	-6.170	374
9362	Taurus	7½	48 22.00	3,548	69 23 13.0	6,168	252
9363	Auriga ζ	4½	48 30.68	4,167	49 13 54.3	6,156	5
9364	Auriga ζ	4	48 31.48	4,167	49 13 57.6	6,155	138
9365	Auriga	9	48 31.76	3,776	60 58 29.4	6,155	136
9366	Eridanus . . . . .	.	48 36.52	2,964	94 44 34.8	6,148	575
9367	Eridanus . . . . .	.	48 43.26	2,961	94 52 34.1	6,139	575
9368	Auriga	9	48 47.15	3,982	54 22 45.7	6,134	130
9369	Camelopardus .	5½	48 48.35	5,162	31 19 38.5	6,132	381
9370	Camelopardus .	6	48 49.06	5,162	31 19 40.2	6,131	380
9371	Camelopardus .	7	48 51.05	5,166	31 16 38.4	6,128	381
9372	Camelopardus .	7	48 51.53	5,166	31 16 40.1	6,128	380
9373	Taurus	8	48 56.70	3,697	63 46 39.3	6,120	204
9374	Orion	9	49 0.72	3,295	79 59 20.1	6,114	205
9375	Eridanus	8	49 1.55	3,015	92 27 9.6	6,113	251
9376	Taurus	8½	49 3.67	3,614	66 52 12.4	6,110	196
9377	Lepus	8	49 4.33	2,692	106 30 18.1	6,109	467
9378	Auriga	8½	49 5.35	3,786	60 39 25.4	6,108	136
9379	Auriga . . . . .	.	49 8.04	4,457	42 33 21.7	6,103	376
9380	Orion	7½	49 13.33	3,389	75 55 49.5	6,096	203
9381	Auriga	8	49 14.00	4,148	49 45 11.4	6,095	138
9382	Auriga	7	49 17.11	4,183	48 51 48.2	6,091	5
9383	Orion	8½	49 17.89	3,347	77 44 9.7	6,091	311
9384	Eridanus	9	49 18.79	2,786	102 32 54.6	6,089	563
9385	Taurus	7½	49 21.28	3,701	63 38 21.2	6,086	204
9386	Taurus	7	49 21.79	3,704	63 32 19.7	6,085	139
9387	Taurus	9	49 23.77	3,701	63 39 36.2	6,082	204
9388	Eridanus . . . . .	.	49 24.56	2,960	94 54 32.2	6,081	575
9389	Auriga	8½	49 24.63	3,850	58 31 49.0	6,081	140
9390	Eridanus	9	49 24.74	3,017	92 22 46.5	6,081	251
9391	Lepus	9	49 28.95	2,692	106 31 30.3	6,075	467
9392	Eridanus . . . . .	.	49 29.96	2,969	94 30 9.2	6,074	575
9393	Orion	8	49 30.39	3,347	77 42 24.7	6,073	311
9394	Lepus	7½	49 34.75	2,546	112 20 11.8	6,067	559
9395	Auriga	9½	49 35.05	3,796	60 18 40.2	6,067	136
9396	Lepus	9	49 35.25	2,465	115 22 39.2	6,066	564
9397	Orion	8	49 37.67	3,392	75 48 14.4	6,063	203
9398	Auriga	7	49 38.47	4,373	44 21 15.9	6,061	6
9399	Orion	8	49 39.10	3,308	79 23 48.3	6,061	205
9400	Orion	4 49 39.46	+3,136	87 1 21.3	-6,060	465

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			h m s	s	° ' "	"	
9401	Auriga	9	4 49 39.89	+4,028	53 4 3.1	-6,060	309
9402	Eridanus	7	49 41.63	2,769	103 16 22.4	6,057	466
9403	Auriga	9½	49 44.88	3,798	60 16 14.2	6,053	136
9404	Eridanus	8	49 50.26	2,774	103 4 16.9	6,046	563
9405	Eridanus	8½	49 51.92	2,766	103 22 52.9	6,043	466
9406	Lepus.....	7	49 52.94	2,652	108 7 19.7	6,042	562
9407	Camelopardus .	5	49 52.94	9,608	11 2 12.1	6,042	352
9408	Eridanus ....	.	49 53.50	2,965	94 40 21.5	6,041	575
9409	Taurus	7½	49 53.74	3,547	69 28 20.5	6,040	252
9410	Eridanus	8	49 53.78	2,857	99 27 48.2	6,040	313
9411	Taurus	8	49 54.38	3,422	74 33 44.6	6,039	194
9412	Taurus	7½	49 54.79	3,422	74 33 49.2	6,039	314
9413	Eridanus	6½	49 58.31	2,830	100 38 59.3	6,034	313
9414	Camelopardus .	9½	49 58.55	4,879	35 10 29.1	6,034	374
9415	Auriga	8	49 59.34	4,154	49 37 4.5	6,033	138
9416	Orion	9	50 0.78	3,385	76 6 11.0	6,032	203
9417	Orion	8	50 1.26	3,383	76 11 21.1	6,030	203
9418	Orion	8	50 1.60	3,143	86 41 33.8	6,030	465
9419	Orion	7½	50 3.00	3,143	86 41 33.8	6,029	465
9420	Lepus.....	5½	50 4.38	2,687	106 41 53.1	6,026	467
9421	Camelopardus .	9	50 6.15	4,895	34 56 32.9	6,024	371
9422	Auriga	8	50 9.40	4,030	53 2 0.2	6,019	309
9423	Camelopardus .	9	50 9.52	4,832	35 53 31.0	6,019	374
9424	Auriga	7	50 9.55	4,030	53 1 59.9	6,019	130
9425	Orion	8½	50 11.23	3,020	92 14 51.4	6,016	251
9426	Orion	7	50 11.23	3,165	85 44 19.1	6,016	465
9427	Auriga	8½	50 13.18	4,277	46 34 20.1	6,013	142
9428	Camelopardus .	7½	50 21.93	5,762	25 21 27.9	6,002	379
9429	Eridanus	5½	50 22.81	2,832	100 33 1.1	6,001	313
9430	Orion	8	50 25.88	3,342	77 57 32.1	5,996	311
9431	Eridanus	8	50 33.28	2,924	96 30 0.7	5,985	308
9432	Taurus	9	50 33.88	3,433	74 6 44.8	5,985	314
9433	Orion	7½	50 34.69	3,146	86 35 17.7	5,984	465
9434	Orion ...?....	7	50 35.27	3,017	92 22 27.8	5,982	251
9435	Eridanus	5½	50 38.01	2,779	102 50 35.6	5,978	466
9436	Eridanus	6	50 38.53	2,779	102 50 32.0	5,978	563
9437	Auriga .....	.	50 38.90	4,420	43 22 55.6	5,977	6
9438	Orion	8	50 42.27	3,319	78 55 47.9	5,973	205
9439	Orion	7½	50 42.78	3,319	78 55 46.4	5,972	311
9440	Auriga	8	4 50 48.75	+4,129	50 19 40.6	-5,965	138

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			h m s	s	° ' "	"	
9441	Camelopardus .	9	4 50 49.74	+5,636	26 27 12.4	-5,964	379
9442	Orion	8	50 50.20	3,379	76 23 10.7	5,963	203
9443	Auriga	8½	50 53.63	4,336	45 14 15.3	5,958	142
9444	Auriga	8	50 54.27	4,123	50 28 50.7	5,957	138
9445	Auriga	8	50 54.59	4,203	48 24 58.8	5,956	5
9446	Auriga	9	50 57.98	3,870	57 55 3.2	5,951	140
9447	Lepus	8½	50 58.71	2,631	108 57 55.3	5,950	562
9448	Camelopardus .	8	51 2.82	4,911	34 45 2.4	5,944	371
9449	Auriga	5½	51 2.90	4,665	38 41 20.7	5,944	44
9450	Taurus	4½	51 8.84	3,567	68 42 33.7	5,936	36
9451	Taurus	4	51 8.84	3,567	68 42 37.1	5,936	252
9452	Taurus	4½	51 9.15	3,567	68 42 32.2	5,936	195
9453	Taurus	5	51 9.18	3,567	68 42 34.8	5,936	32
9454	Lepus	8	51 9.22	2,535	112 42 26.6	5,936	559
9455	Camelopardus .	8	51 13.69	4,926	34 31 51.2	5,929	371
9456	Auriga	9½	51 14.29	4,502	41 43 58.1	5,929	376
9457	Orion	7½	51 14.76	3,047	90 59 59.3	5,928	49
9458	Orion	7	51 15.05	3,047	91 0 3.9	5,928	251
9459	Auriga	8	51 22.35	4,671	38 35 15.7	5,917	44
9460	Eridanus	7½	51 28.19	2,755	103 48 34.0	5,909	466
9461	Auriga	9	51 29.03	3,796	60 23 42.9	5,908	136
9462	Orion	6½	51 33.45	3,079	89 34 49.4	5,902	49
9463	Lepus	8	51 36.63	2,606	109 56 41.8	5,898	560
9464	Auriga	9	51 37.25	4,508	41 38 11.1	5,898	376
9465	Orion	7½	51 39.07	3,099	88 41 37.1	5,894	316
9466	Orion	9	51 39.13	3,230	82 50 20.4	5,894	42
9467	Eridanus	7½	51 39.67	2,809	101 30 35.3	5,893	563
9468	Orion	9	51 39.85	3,230	82 50 20.8	5,893	46
9469	Orion	9	51 40.07	3,099	88 41 27.1	5,892	316
9470	Auriga	8	51 40.33	3,869	57 58 17.5	5,892	140
9471	Camelopardus .	8	51 41.36	6,141	22 35 42.2	5,891	375
9472	Eridanus	8	51 43.39	2,815	101 15 36.2	5,888	563
9473	Orion	8	51 44.12	3,229	82 52 31.5	5,887	42
9474	Lepus	7	51 44.29	2,464	115 21 55.3	5,887	564
9475	Orion	8	51 44.71	3,229	82 52 29.9	5,886	46
9476	Eridanus .. ψ	5	51 45.16	2,902	97 28 38.9	5,886	465
9477	Auriga	8	51 46.41	3,788	60 40 1.4	5,884	136
9478	Camelopardus .	8	51 49.76	5,614	26 40 47.2	5,879	379
9479	Camelopardus .	9	51 50.26	5,047	32 53 9.6	5,879	380
9480	Orion	7½	4 51 52.82	+3,336	78 14 33.7	-5,875	311

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9481	Eridanus	7	4 52 2,75	+2,816	101 13 9,7	-5,861	313
9482	Orion	8½	52 5,85	3,274	80 54 58,5	5,857	205
9483	Auriga	8	52 7,69	4,324	45 33 22,0	5,855	142
9484	Taurus	7	52 8,83	3,733	62 35 49,8	5,852	139
9485	Eridanus	7	52 11,31	2,940	95 47 58,0	5,849	308
9486	Auriga	9	52 12,07	3,932	56 1 10,2	5,848	134
9487	Auriga	8½	52 12,33	4,116	50 42 33,4	5,848	138
9488	Orion	8½	52 13,21	3,350	77 37 25,0	5,846	311
9489	Orion	7½	52 14,71	3,140	86 50 21,2	5,843	465
9490	Auriga	8	52 16,56	3,799	60 19 11,3	5,841	136
9491	Eridanus	7	52 22,97	2,815	101 14 10,1	5,833	563
9492	Eridanus	8	52 23,81	2,822	100 56 5,8	5,832	313
9493	Taurus . . . . .	.	52 26,24	3,706	63 34 19,1	5,828	204
9494	Lepus	8	52 26,59	2,657	107 51 28,2	5,828	562
9495	Taurus	8	52 26,89	3,568	68 44 4,5	5,828	36
9496	Taurus	6½	52 27,26	3,560	69 0 56,0	5,826	32
9497	Taurus	7	52 27,28	3,560	69 0 58,7	5,826	252
9498	Taurus	6½	52 27,30	3,560	69 0 54,9	5,826	36
9499	Auriga	7	52 28,74	3,984	54 26 34,2	5,825	130
9500	Auriga 7	4	52 30,59	4,180	49 3 3,6	5,822	5
9501	Auriga	7	52 34,40	4,258	47 6 49,4	5,817	142
9502	Auriga	8	52 37,05	4,134	50 15 6,2	5,813	137
9503	Taurus	9	52 39,98	3,630	66 22 17,9	5,809	196
9504	Auriga	6	52 40,30	3,988	54 21 16,1	5,809	130
9505	Orion	8	52 44,38	3,153	86 16 39,3	5,802	465
9506	Lepus	5	52 45,01	2,595	110 21 12,0	5,802	560
9507	Auriga	9½	52 48,00	4,129	50 23 3,3	5,798	138
9508	Eridanus	6	52 50,05	2,969	94 30 30,9	5,795	575
9509	Camelopardus .	9½	52 51,36	4,803	36 26 51,5	5,793	374
9510	Auriga	7½	52 55,21	4,078	51 46 2,2	5,788	309
9511	Lepus	8	52 59,05	2,553	111 58 23,2	5,782	559
9512	Auriga	7½	53 1,68	3,919	56 27 11,0	5,779	134
9513	Auriga	9½	53 1,79	4,508	41 40 55,9	5,779	376
9514	Orion	8½	53 1,93	3,212	83 39 5,9	5,779	46
9515	Taurus	8	53 3,89	3,627	66 29 36,3	5,776	196
9516	Orion	5	53 9,10	3,416	74 53 13,1	5,769	314
9517	Taurus	7½	53 11,27	3,485	72 2 16,0	5,765	254
9518	Auriga	8	53 11,41	3,976	54 43 33,8	5,765	130
9519	Lepus	7½	53 11,69	2,604	109 57 47,0	5,764	560
9520	Orion	8½	4 53 13,30	+3,120	87 44 10,7	-5,762	316

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9521	Auriga	8½	4 53 13.89	+3,969	54 46 31.0	-5,762	130
9522	Orion	8½	53 14.00	3,143	86 43 4.1	5,761	465
9523	Auriga	9	53 18.99	4,270	46 51 49.5	5,754	142
9524	Orion	7	53 19.68	3,403	75 25 54.1	5,753	203
9525	Camelopardus .	9	53 22.45	5,698	25 59 5.6	5,749	379
9526	Camelopardus .	9	53 26.06	5,027	33 12 25.2	5,745	371
9527	Orion	8½	53 26.21	3,352	77 35 35.1	5,745	311
9528	Eridanus	9	53 27.48	2,868	98 57 36.7	5,742	465
9529	Auriga	8	53 30.49	3,794	60 31 16.9	5,738	136
9530	Camelopardus .	7½	53 30.70	6,120	22 47 6.0	5,738	375
9531	Taurus	6½	53 31.37	3,699	63 51 31.8	5,737	204
9532	Auriga	8	53 35.43	3,942	55 45 5.5	5,732	134
9533	Orion	8½	53 38.76	3,239	82 27 35.7	5,727	42
9534	Eridanus	8	53 39.30	2,780	102 43 57.6	5,726	563
9535	Eridanus	7	53 40.06	3,003	92 50 0.7	5,725	251
9536	Taurus	7	53 45.31	3,524	70 28 53.5	5,718	252
9537	Camelopardus .	9	53 47.64	6,154	22 34 10.9	5,715	375
9538	Eridanus	8	53 48.45	2,969	94 29 53.9	5,713	575
9539	Orion	8	53 52.63	3,412	75 3 2.3	5,707	314
9540	Eridanus	8½	54 0.26	2,999	93 8 59.5	5,697	251
9541	Auriga	8	54 1.52	4,133	50 20 21.7	5,696	138
9542	Lepus.....	6	54 2.22	2,429	116 34 9.6	5,694	564
9543	Auriga	8	54 2.49	4,129	50 26 1.9	5,694	138
9544	Camelopardus .	9	54 2.76	4,798	36 34 5.4	5,694	374
9545	Orion	8	54 2.89	3,354	77 30 0.1	5,694	311
9546	Auriga	8½	54 4.30	4,048	52 39 9.4	5,692	309
9547	Orion	8½	54 6.69	3,359	77 17 14.9	5,689	311
9548	Camelopardus .	8½	54 12.66	6,105	22 54 22.7	5,679	375
9549	Eridanus	8½	54 13.04	2,932	96 8 27.5	5,679	308
9550	Orion	8½	54 18.54	3,265	81 20 49.9	5,671	205
9551	Orion	8½	54 18.55	3,265	81 20 50.1	5,671	42
9552	Lepus.....	6½	54 18.89	2,523	113 5 31.8	5,671	559
9553	Orion	8	54 24.21	3,201	84 9 27.5	5,663	46
9554	Auriga	9	54 24.44	4,500	41 53 18.4	5,662	376
9555	Auriga	9	54 28.74	3,967	55 2 6.6	5,657	130
9556	Auriga	9	54 30.80	4,062	52 17 41.0	5,654	309
9557	Auriga	8	54 30.98	4,302	46 9 31.5	5,653	142
9558	Eridanus	7	54 31.36	2,928	96 19 15.1	5,653	308
9559	Auriga	8	54 31.93	4,125	50 33 7.1	5,652	138
9560	Orion	8	4 54 33.79	+3,366	76 59 38.8	-5,650	203

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9561	Orion	8½	4 54 35.02	+3,122	87 38 35.8	-5,648	316
9562	Lepus	9	54 36.42	2,727	104 55 49.4	5,646	467
9563	Lepus	8½	54 36.82	2,728	104 55 31.4	5,645	466
9564	Auriga	8½	54 36.85	3,887	57 30 56.1	5,645	140
9565	Lepus	8½	54 39.14	2,608	109 47 40.8	5,643	560
9566	Taurus	8½	54 39.82	3,716	63 17 12.5	5,641	139
9567	Taurus	7½	54 40.38	3,594	67 46 28.0	5,640	36
9568	Taurus	7½	54 40.48	3,594	67 46 20.2	5,640	32
9569	Auriga	8	54 40.49	4,131	50 24 32.1	5,640	138
9570	Orion	8½	54 42.01	3,136	87 2 17.4	5,639	469
9571	Lepus	6½	54 44.38	2,734	104 39 45.3	5,635	466
9572	Lepus	6½	54 44.43	2,734	104 39 47.1	5,633	467
9573	Lepus	6½	54 49.21	2,730	104 50 56.2	5,628	466
9574	Lepus	6½	54 49.49	2,729	104 50 54.0	5,628	467
9575	Camelopardus .	6	54 52.52	9,200	11 49 33.4	5,623	352
9576	Auriga	9	54 53.19	4,315	45 51 28.4	5,623	142
9577	Auriga	8	54 54.07	4,060	52 21 58.1	5,622	309
9578	Orion	9	54 54.24	3,204	84 11 22.5	5,620	46
9579	Eridanus	6½	54 54.41	2,995	93 19 36.2	5,620	251
9580	Eridanus	8½	55 1.86	2,975	94 12 9.0	5,610	575
9581	Orion	6½	55 4.36	3,090	89 6 31.6	5,607	316
9582	Orion	7	55 5.00	3,090	89 6 35.3	5,607	49
9583	Camelopardus .	9	55 5.47	4,743	37 30 28.3	5,606	44
9584	Auriga	•	55 6.45	3,903	57 1 13.4	5,604	134
9585	Auriga	8	55 7.31	4,117	50 47 22.6	5,603	138
9586	Eridanus	8	55 8.79	2,981	93 57 23.3	5,602	575
9587	Lepus	7½	55 23.30	2,768	103 12 59.8	5,581	563
9588	Eridanus	7½	55 25.57	2,797	101 58 32.5	5,577	563
9589	Orion	9	55 29.35	3,434	74 9 36.6	5,572	314
9590	Orion	9	55 29.46	3,305	79 38 17.6	5,572	205
9591	Camelopardus .	9	55 29.81	4,772	37 2 8.1	5,572	374
9592	Orion	8	55 32.01	3,105	88 25 58.3	5,568	316
9593	Orion	8½	55 33.13	3,375	76 38 18.6	5,567	203
9594	Orion	7½	55 33.41	3,148	86 29 34.0	5,567	469
9595	Taurus	8	55 34.80	3,698	63 56 53.5	5,565	204
9596	Taurus	9	55 35.25	3,756	61 54 1.5	5,564	139
9597	Orion	9	55 36.47	3,306	79 35 14.5	5,562	205
9598	Orion	7	55 36.74	3,430	74 20 45.8	5,562	314
9599	Taurus m	6	55 38.27	3,496	71 38 8.7	5,559	195
9600	Taurus m	6	4 55 38.50	+3,496	71 38 12.1	-5,559	254

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9601	Auriga	9	4 55 42.97	+3,886	57 34 27.7	-5,552	140
9602	Lepus.....	9	55 46.42	2,438	116 10 56.2	5,548	564
9603	Lepus.....	8	55 46.57	2,648	108 10 20.5	5,548	562
9604	Lepus.....	8½	55 48.65	2,565	111 25 31.8	5,546	559
9605	Lepus.....	8	55 48.98	2,737	104 30 21.8	5,546	466
9606	Lepus.....	9	55 50.49	2,646	108 13 37.8	5,543	562
9607	Auriga	6	55 51.17	4,433	43 18 9.8	5,542	6
9608	Camelopardus .	8½	55 53.08	4,787	36 49 10.0	5,539	374
9609	Auriga	8½	55 54.87	4,122	50 41 12.8	5,537	138
9610	Lepus.....	8½	55 55.48	2,586	110 36 34.3	5,537	560
9611	Camelopardus .	8	55 55.55	5,578	27 8 9.5	5,537	379
9612	Taurus	6	55 56.20	3,642	66 0 47.4	5,535	196
9613	Taurus	6	55 58.47	3,574	68 34 23.1	5,531	32
9614	Taurus	6	55 59.00	3,574	68 34 22.8	5,531	36
9615	Taurus l	6	55 59.20	3,541	69 51 34.4	5,531	252
9616	Taurus l	6½	55 59.21	3,541	69 51 30.8	5,531	195
9617	Eridanus	8	55 59.67	2,841	100 5 43.5	5,530	313
9618	Taurus	8	56 2.11	3,753	62 0 11.8	5,526	139
9619	Orion	8½	56 3.24	3,208	83 51 30.7	5,525	46
9620	Lepus.....	8	56 7.28	2,563	111 30 20.5	5,519	559
9621	Auriga	8	56 10.32	4,053	52 35 23.5	5,514	309
9622	Lepus.....	7	56 11.11	2,588	110 32 13.8	5,513	560
9623	Eridanus ....	.	56 14.25	2,985	93 45 59.8	5,509	575
9624	Orion	8	56 23.85	3,392	75 55 0.9	5,495	203
9625	Taurus	9	56 25.07	3,456	73 17 49.1	5,494	254
9626	Auriga .....	.	56 27.45	4,029	53 16 0.5	5,491	130
9627	Orion	8½	56 29.61	3,035	91 31 36.5	5,488	251
9628	Camelopardus .	9	56 30.53	6,372	21 16 48.2	5,487	375
9629	Orion	9	56 31.93	3,079	89 36 6.9	5,484	49
9630	Orion	7	56 38.24	3,428	74 25 20.0	5,475	314
9631	Orion	8	56 42.64	3,311	79 22 54.7	5,469	205
9632	Lepus.....	8	56 44.41	2,562	111 32 25.1	5,467	559
9633	Lepus.....	8	56 44.62	2,744	104 12 0.4	5,467	466
9634	Eridanus	7½	56 44.78	2,827	100 41 1.8	5,467	313
9635	Orion	8	56 45.41	3,397	75 44 30.8	5,466	203
9636	Eridanus	8	56 50.01	2,962	94 46 28.4	5,459	575
9637	Auriga	8	56 51.72	4,434	43 19 38.4	5,456	6
9638	Auriga .....	.	56 51.93	3,903	57 4 19.1	5,456	134
9639	Eridanus'	5½	56 52.51	2,959	94 56 2.8	5,455	575
9640	Eridanus	6	4 56 52.72	+2,959	94 56 1.2	-5,455	308

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9641	Eridanus	6	4 56 52.87	+2,959	94 56 5.7	-5.455	264
9642	Lepus.....	9	56 57.54	2,750	103 55 58.2	5.449	466
9643	Auriga	8½	56 58.38	4,333	45 32 0.9	5.448	142
9644	Orion	7½	56 59.06	3,086	89 17 9.2	5.446	316
9645	Orion	8	56 59.47	3,086	89 17 16.6	5.446	49
9646	Orion i	7	56 59.93	3,256	81 46 26.1	5.445	42
9647	Lepus..... e	4	57 0.14	2,534	112 38 59.5	5.445	559
9648	Taurus	7	57 3.23	3,528	70 24 45.0	5.441	195
9649	Eridanus	7½	57 3.86	2,947	95 26 38.1	5.441	264
9650	Lepus.....	6	57 9.41	2,430	116 25 58.3	5.432	564
9651	Auriga	9	57 9.79	3,864	58 20 15.0	5.431	140
9652	Lepus.....	8½	57 10.04	2,529	112 47 46.0	5.431	559
9653	Taurus	7	57 12.41	3,747	62 14 17.5	5.428	139
9654	Taurus	8½	57 12.62	3,544	69 45 19.7	5.428	252
9655	Camelopardus .	9	57 12.66	4,996	33 45 9.4	5.428	371
9656	Auriga	8	57 13.31	4,375	44 36 33.6	5.426	6
9657	Auriga	8½	57 16.74	4,113	50 59 8.7	5.421	138
9658	Taurus	8½	57 22.15	3,543	69 48 53.7	5.414	252
9659	Lepus.....	6½	57 22.71	2,763	103 24 6.8	5.413	466
9660	Taurus	8	57 29.41	3,505	71 18 44.3	5.404	254
9661	Taurus	8	57 31.43	3,734	62 42 27.1	5.401	139
9662	Orion	7	57 34.96	3,148	86 31 27.3	5.396	469
9663	Camelopardus .	6	57 38.24	9,171	11 55 16.2	5.392	352
9664	Camelopardus .	7	57 38.72	5,226	30 51 5.7	5.391	381
9665	Camelopardus .	7½	57 38.77	5,226	30 51 3.6	5.391	380
9666	Lepus.....	8	57 38.89	2,420	116 46 7.6	5.391	564
9667	Eridanus	8	57 52.13	2,867	98 55 44.1	5.371	465
9668	Taurus	8	57 53.17	3,583	68 16 52.4	5.370	36
9669	Auriga	8½	57 53.63	4,235	47 51 55.5	5.369	5
9670	Taurus .....	.	57 54.07	3,583	68 16 43.7	5.369	32
9671	Orion	8½	57 58.72	3,383	76 21 6.1	5.363	203
9672	Eridanus .. β	3	57 59.52	2,949	95 21 10.7	5.361	316
9673	Camelopardus .	9	57 59.74	4,828	36 14 5.9	5.361	374
9674	Eridanus .. β	3	58 1.03	2,949	95 21 21.6	5.359	251
9675	Eridanus .. β	3	58 1.10	2,949	95 21 23.8	5.359	308
9676	Eridanus .. β	3	58 1.29	2,949	95 21 22.3	5.359	266
9677	Eridanus .. β	.	58 1.34	2,949	95 21 19.8	5.359	575
9678	Eridanus .. β	3	58 1.37	2,949	95 21 24.1	5.359	264
9679	Eridanus .. β	3	58 1.67	2,949	95 21 25.2	5.358	268
9680	Auriga	7	4 58 2.94	+4,044	52 54 42.3	-5.357	309

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9681	Auriga	9	4	58	3,30	+4,139	50	19	5,3	-5,356	138
9682	Auriga	8½		58	4,53	3,868	58	13	41,2	5,355	140
9683	Lepus	6		58	6,52	2,778	102	45	36,0	5,351	563
9684	Orion	9		58	7,96	3,085	89	20	2,2	5,350	49
9685	Orion	8½		58	9,36	3,393	75	54	47,5	5,348	203
9686	Auriga	8		58	9,72	4,322	45	49	32,6	5,347	142
9687	Taurus .....	.		58	13,62	3,587	68	7	46,5	5,342	32
9688	Taurus	8		58	13,75	3,587	68	7	53,3	5,342	36
9689	Lepus	7		58	15,41	2,662	107	33	58,6	5,339	562
9690	Orion	5		58	15,64	3,423	74	40	15,5	5,338	314
9691	Auriga	8½		58	17,40	4,439	43	16	53,4	5,335	6
9692	Taurus	9		58	19,18	3,583	68	17	6,7	5,333	36
9693	Orion	6		58	19,66	3,287	80	26	18,8	5,333	205
9694	Taurus .....	.		58	20,07	3,583	68	17	7,9	5,332	32
9695	Lepus	8		58	20,29	2,590	110	23	19,7	5,332	560
9696	Auriga	8		58	21,00	4,747	38	49	19,9	5,331	44
9697	Auriga	7½		58	23,14	4,145	50	9	43,2	-5,328	138
9698	Lepus	6½		58	27,07	2,608	109	40	58,1	5,322	561
9699	Orion	6½		58	27,33	3,136	87	2	52,3	5,322	469
9700	Orion	6		58	27,63	3,136	87	2	57,3	5,322	316
9701	Orion	7½		58	31,24	3,000	93	5	40,7	5,316	251
9702	Lepus	6½		58	33,96	2,775	102	51	41,5	5,313	563
9703	Auriga	8		58	38,82	4,329	45	41	32,6	5,307	142
9704	Taurus	8½		58	42,53	3,777	61	16	15,1	5,302	139
9705	Camelopardus .	7		58	43,19	4,779	37	2	34,4	5,301	374
9706	Eridanus	6		58	45,61	2,867	98	56	8,4	5,297	266
9707	Eridanus	7		58	45,91	2,867	98	56	1,2	5,297	465
9708	Camelopardus .	8½		58	47,24	6,223	22	14	50,9	5,294	375
9709	Lepus	7		58	48,75	2,661	107	33	23,6	5,292	562
9710	Eridanus	6½		58	49,39	2,963	94	43	35,0	5,292	575
9711	Camelopardus .	6		58	50,35	9,023	12	13	35,1	5,290	352
9712	Orion	8½		58	54,78	3,002	92	59	43,4	5,283	251
9713	Orion	6½		58	55,12	3,374	76	42	54,9	5,283	203
9714	Orion	9		58	55,91	3,385	76	16	14,2	5,282	203
9715	Orion .....	.		58	56,39	3,134	87	9	31,5	5,281	469
9716	Orion	9		58	56,62	3,385	76	16	39,3	5,281	203
9717	Auriga	8		58	57,70	4,434	43	24	10,7	5,279	6
9718	Lepus	9		58	58,22	2,663	107	30	13,3	5,279	562
9719	Orion	8		58	58,91	3,226	83	5	12,9	5,278	46
9720	Taurus	4	59	0,02	+3,579	68	28	19,6	-5,276	32

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9721	Taurus	4	59	4.87	+3,468	72 49 26.3	-5,270	254
9722	Auriga	9		59	7.44	3,896	57 21 55.9	5,266	140
9723	Auriga .....	.		59	8.31	3,896	57 21 48.3	5,265	134
9724	Orion	9		59	8.40	3,290	80 18 13.9	5,265	205
9725	Lepus	6½		59	9.46	2,715	105 22 5.1	5,262	467
9726	Lepus	7		59	9.50	2,715	105 22 0.1	5,262	466
9727	Auriga	9		59	18.12	4,743	38 55 36.6	5,250	44
9728	Taurus .....	.		59	19.46	3,612	67 11 51.6	5,249	32
9729	Taurus	9		59	19.66	3,594	67 53 59.6	5,248	36
9730	Auriga	8		59	20.69	4,150	50 3 53.5	5,247	138
9731	Lepus	8		59	21.24	2,590	110 23 21.8	5,246	561
9732	Eridanus	8½		59	23.15	2,918	96 42 26.1	5,244	264
9733	Orion	7½		59	25.17	3,015	92 24 9.1	5,241	251
9734	Eridanus .. λ	4		59	34.68	2,865	99 1 24.0	5,228	266
9735	Eridanus .. λ	4½		59	35.00	2,865	99 1 15.6	5,227	465
9736	Lepus	9		59	35.62	2,555	111 44 10.2	5,226	559
9737	Lepus	8		59	37.03	2,767	103 10 57.9	5,224	563
9738	Lepus	8		59	38.03	2,410	117 3 47.6	5,223	564
9739	Camelopardus .	8		59	40.87	5,301	30 3 28.5	5,219	381
9740	Lepus	8½		59	41.44	2,660	107 35 43.9	5,218	562
9741	Lepus	8		59	42.46	2,641	108 22 44.0	5,217	562
9742	Auriga μ	5		59	45.74	4,087	51 46 6.3	5,212	309
9743	Auriga	7		59	48.00	4,035	53 13 12.8	5,208	309
9744	Orion	7		59	51.41	3,051	90 49 34.3	5,204	49
9745	Orion	8		59	55.01	3,184	84 56 51.6	5,199	46
9746	Eridanus	8	4	59	58.90	2,809	101 23 40.2	5,193	563
9747	Lepus	8½	5	0	3.13	2,724	104 59 54.5	5,188	466
9748	Orion	9		0	4.63	3,022	92 6 50.7	5,186	251
9749	Lepus	9		0	9.15	2,646	108 10 22.7	5,179	562
9750	Eridanus	8		0	13.33	2,977	94 6 53.4	5,173	575
9751	Auriga	8½		0	17.75	4,706	38 17 39.4	5,166	44
9752	Auriga	8		0	18.72	4,154	50 0 38.9	5,165	138
9753	Auriga	8		0	19.60	4,452	43 4 31.7	5,164	376
9754	Auriga .....	.		0	19.81	4,452	43 4 31.4	5,164	6
9755	Lepus	8½		0	26.20	2,524	112 54 1.3	5,154	559
9756	Eridanus	7		0	42.33	2,891	97 50 50.5	5,133	266
9757	Orion	8½		0	50.03	3,193	84 32 47.3	5,123	46
9758	Orion	8½		0	51.66	3,024	92 1 31.8	5,119	251
9759	Orion	6		0	52.95	3,013	92 30 21.9	5,117	251
9760	Lepus	8½	5	0	54.49	+2,801	101 44 41.8	-5,115	563

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			h	m	s	s	°	'	"		
9761	Orion	9	5	1	2,91	+3,384	76	19	40,0	-5,103	203
9762	Orion	8½		1	11,15	3,186	84	50	52,0	5,091	46
9763	Lepus	7		1	13,45	2,797	101	54	34,5	5,088	563
9764	Orion	6		1	15,24	3,008	92	44	53,6	5,087	251
9765	Lepus	7½		1	17,81	2,527	112	45	24,8	5,082	559
9766	Eridanus	8½		1	21,40	2,927	96	16	57,3	5,077	264
9767	Orion	8		1	25,31	3,075	89	44	29,8	5,071	49
9768	Auriga .....	.		1	27,81	3,821	59	51	5,4	5,067	136
9769	Auriga	7½		1	28,13	3,821	59	51	7,6	5,067	260
9770	Orion	9		1	32,98	3,301	79	50	44,0	5,060	205
9771	Orion	9		1	35,23	3,384	76	19	56,3	5,058	203
9772	Auriga .....	.		1	38,64	4,372	44	49	36,2	5,053	142
9773	Orion	9		1	41,25	3,385	76	17	18,2	5,049	203
9774	Auriga .....	.		1	48,43	3,830	59	34	34,2	5,039	136
9775*	Auriga α	1		1	48,76	4,400	44	13	38,3	5,039	314
9776	Orion	9		1	48,90	3,078	89	39	0,7	5,039	49
9777	Auriga	8½		1	49,96	3,830	59	34	33,5	5,037	260
9778	Auriga α	1		1	55,37	4,400	44	13	20,9	5,029	138
9779	Auriga α	1		1	56,06	4,400	44	13	19,2	5,028	6
9780	Auriga α	1		1	56,24	4,400	44	13	19,9	5,028	315
9781	Auriga α	1		1	56,31	4,400	44	13	15,8	5,028	142
9782	Auriga α	1		1	56,35	4,400	44	13	17,0	5,028	376
9783	Auriga α	1		1	57,25	4,400	44	13	19,2	5,027	207
9784	Orion	9		1	58,48	3,294	80	9	40,6	5,024	205
9785	Lepus	6½		2	2,87	2,792	102	6	33,4	5,018	563
9786	Taurus	8		2	10,35	3,693	64	17	47,0	5,008	204
9787	Lepus	9		2	23,36	2,717	105	13	45,7	4,990	466
9788	Auriga	8		2	23,64	3,893	57	33	28,7	4,989	134
9789	Orion	8		2	27,03	2,995	93	17	17,1	4,984	575
9790	Lepus	7½		2	33,70	2,813	101	11	48,8	4,975	313
9791	Lepus	6		2	37,23	2,433	116	10	13,4	4,970	564
9792	Taurus	8½		2	48,07	3,452	73	34	6,8	4,955	261
9793	Orion	9		2	55,38	3,286	80	32	40,6	4,944	205
9794	Lepus	8½		2	56,00	2,793	102	3	18,2	4,943	563
9795	Lepus	5		2	57,83	2,791	102	7	15,5	4,941	563
9796	Orion	6½		3	1,47	2,926	96	18	19,0	4,935	264
9797	Auriga .....	.		3	5,37	3,826	59	44	34,9	4,930	136
9798	Auriga	7		3	5,72	4,005	54	10	15,7	4,929	314
9799	Auriga	8		3	6,17	3,826	59	44	45,0	4,929	260
9800	Auriga	7	5	3	6,68	+3,944	56	0	2,2	-4,928	315

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			h	m	s	s	° ' "	"	
9801	Orion	9	5	3	8,07	+2,997	93 12 31,8	-4,926	575
9802	Orion	6		3	8,47	3,109	88 16 48,5	4,926	316
9803	Auriga	8½		3	18,96	4,545	41 18 43,8	4,911	376
9804	Orion	7½		3	20,87	2,880	98 18 48,8	4,908	266
9805	Auriga .....	.		3	24,07	4,128	50 46 32,8	4,904	138
9806	Orion	7½		3	30,69	3,077	89 41 9,7	4,895	49
9807	Lepus	7½		3	31,36	2,717	105 12 18,8	4,894	466
9808	Lepus	8½		3	37,31	2,656	107 42 8,0	4,885	562
9809	Taurus	8		3	39,43	3,694	64 17 0,4	4,882	204
9810	Lepus	8½		3	41,06	2,656	107 42 7,9	4,880	562
9811	Orion	7½		3	44,68	3,413	75 10 49,9	4,874	261
9812	Orion	8		3	45,10	3,413	75 10 48,4	4,874	203
9813	Lepus μ	4		3	56,81	2,686	106 27 8,2	4,857	467
9814	Orion	6		3	56,94	2,878	98 23 38,1	4,857	266
9815	Orion	6½		3	57,19	2,879	98 22 39,1	4,857	313
9816	Lepus..... x	5½		4	0,01	2,766	103 11 13,1	4,853	563
9817	Auriga	8		4	1,05	3,915	56 54 25,6	4,852	134
9818	Orion	8		4	4,67	2,911	96 59 36,2	4,846	264
9819	Auriga	9		4	5,91	3,859	58 41 50,1	4,844	140
9820	Orion	6		4	6,90	3,181	85 5 17,9	4,843	46
9821	Orion	8		4	25,21	3,051	90 48 19,5	4,817	49
9822	Auriga	8		4	26,49	3,912	57 1 52,0	4,815	134
9823	Auriga	8		4	34,87	4,063	52 35 4,8	4,804	309
9824	Auriga	9		4	35,26	3,868	58 24 46,9	4,803	140
9825	Auriga	8		4	35,53	3,977	55 2 14,6	4,803	314
9826	Auriga	9		4	35,68	4,358	45 13 9,7	4,803	142
9827	Auriga	7½		4	37,16	3,780	61 19 48,5	4,800	139
9828	Camelopardus .	9		4	40,73	5,237	30 55 55,5	4,795	380
9829	Auriga	7½		4	43,87	4,168	49 46 5,3	4,790	138
9830	Orion	7½		4	50,27	3,100	88 40 59,6	4,782	316
9831	Auriga	7½		4	53,35	4,027	53 36 8,5	4,777	314
9832	Lepus	7		4	53,82	2,725	104 51 4,4	4,776	466
9833	Auriga	9		4	54,35	4,173	49 39 21,4	4,776	138
9834	Orion..... β	1		4	54,43	2,877	98 26 37,1	4,775	466
9835	Orion..... β	.		4	55,34	2,877	98 26 37,7	4,775	563
9836	Orion..... β	1		4	55,85	2,877	98 26 35,9	4,774	251
9837	Orion..... β	2		4	55,91	2,877	98 26 36,5	4,774	465
9838	Orion..... β	1		4	55,92	2,877	98 25 36,4	4,774	313
9839	Orion..... β	1		4	56,00	2,877	98 26 44,5	4,773	258
9840	Orion..... β	1	5	4	56,05	+2,877	98 26 42,5	-4,773	268

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			h m s	s			
9841	Orion β	1	5 4 56,35	+2,877	98° 26' 39,6	-4,773	266
9842	Orion β	1	4 56,75	2,877	98 26 38,3	4,772	264
9843	Auriga	5	5 4,64	3,918	56 51 6,0	4,761	134
9844	Auriga λ	5½	5 5,28	4,156	50 5 43,7	4,760	138
9845	Auriga	7	5 9,74	3,931	56 27 49,7	4,754	135
9846	Auriga	7	5 10,39	3,931	56 27 47,9	4,753	315
9847	Lepus.....	8	5 17,20	2,696	106 3 27,3	4,743	467
9848	Taurus	8	5 22,21	3,642	66 13 9,3	4,737	196
9849	Orion	7	5 25,18	2,988	93 36 17,8	4,733	575
9850	Orion	8½	5 26,42	2,909	97 2 40,7	4,731	264
9851	Auriga	7½	5 32,41	4,334	45 48 0,5	4,722	142
9852	Lepus.....	8	5 32,60	2,512	113 13 59,1	4,722	559
9853	Lepus.....	8	5 34,06	2,547	111 53 33,3	4,720	559
9854	Taurus	7½	5 35,07	3,445	73 52 49,9	4,719	261
9855	Auriga	7½	5 38,49	3,777	61 26 53,1	4,713	139
9856	Auriga	8	5 38,53	3,777	61 26 54,3	4,713	143
9857	Lepus.....	8	5 41,75	2,632	108 37 32,0	4,709	562
9858	Auriga	7½	5 45,37	4,451	43 15 41,6	4,703	376
9859	Orion	8	5 48,99	3,104	88 28 39,3	4,699	316
9860	Auriga	9	5 51,67	4,082	52 5 8,5	4,695	309
9861	Auriga	6	5 51,69	3,931	56 28 45,9	4,695	315
9862	Auriga	6	5 51,75	3,931	56 28 44,9	4,695	135
9863	Orion	8½	5 58,18	3,378	76 39 47,4	4,685	203
9864	Auriga	7	5 59,22	3,969	55 20 15,1	4,684	314
9865	Orion	8½	6 0,36	3,137	87 1 44,6	4,682	256
9866	Auriga	9	6 2,52	3,779	61 19 51,1	4,679	139
9867	Lepus.....	8½	6 2,96	2,770	102 57 55,2	4,679	563
9868	Taurus	9	6 3,73	3,471	72 50 56,2	4,677	254
9869	Orion	8½	6 5,97	3,292	80 18 20,4	4,674	205
9870	Lepus.....	8½	6 7,42	2,768	103 4 17,6	4,672	563
9871	Orion	9	6 8,54	3,381	75 42 47,1	4,671	261
9872	Taurus	9	6 9,04	3,757	62 8 22,1	4,670	139
9873	Orion	7	6 12,20	2,985	93 42 18,9	4,666	575
9874	Auriga	•	6 12,87	4,144	50 25 56,5	4,664	138
9875	Auriga	8	6 13,05	3,939	56 14 31,8	4,664	135
9876	Auriga	7½	6 13,28	3,939	56 14 31,0	4,664	315
9877	Orion	8½	6 18,11	3,027	91 52 33,0	4,657	251
9878	Orion	6½	6 18,47	3,109	88 17 0,1	4,657	316
9879*	Camelopardus .	6	6 22,09	5,098	32 40 12,7	4,651	371
9880	Camelopardus .	7	5 6 22,24	+5,098	32 40 11,3	-4,651	380

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			h m s	s	° ' "	"	
9881	Auriga	8½	5 6 27,10	+4,075	52 18 57,8	-4,644	309
9882	Lepus.....	6½	6 28,21	2,423	116 26 47,8	4,642	564
9883	Orion.....	8½	6 28,88	3,380	76 35 26,4	4,641	204
9884	Camelopardus .	8	6 29,17	9,293	11 48 29,2	4,641	352
9885	Orion.....	8½	6 30,69	3,143	86 45 17,2	4,639	256
9886	Lepus	7	6 32,49	2,803	101 35 6,4	4,637	563
9887	Taurus	8	6 33,17	3,584	68 26 7,1	4,635	36
9888	Auriga .....	.	6 35,55	4,291	46 48 26,7	4,632	142
9889	Lepus.....	8	6 39,43	2,614	109 17 47,7	4,627	561
9890	Auriga	7½	6 43,87	4,031	53 32 58,8	4,620	314
9891	Auriga	7½	6 45,54	4,000	54 26 15,5	4,618	314
9892	Orion.....	8	6 48,10	3,375	76 48 35,8	4,614	204
9893	Auriga	6	6 50,91	3,939	56 16 4,1	4,611	315
9894	Auriga	6	6 51,34	3,939	56 15 57,1	4,610	135
9895	Orion.....	8	6 52,51	3,189	84 44 51,8	4,608	46
9896	Orion.....	7½	6 55,13	2,900	97 26 9,9	4,605	266
9897	Auriga	8	6 57,99	3,901	57 26 7,0	4,600	140
9898	Lepus.....	9	6 59,13	2,748	103 53 25,3	4,599	466
9899*	Camelopardus .	8	6 59,86	4,990	34 7 38,8	4,598	371
9900	Auriga	8½	7 4,85	4,030	53 35 28,9	4,591	314
9901	Orion.....	8½	7 5,83	3,250	82 7 35,5	4,589	42
9902	Auriga	7	7 7,98	4,058	52 46 58,4	4,586	309
9903	Lepus.....	9½	7 8,16	2,777	102 39 19,6	4,586	466
9904	Lepus.....	8½	7 8,52	2,777	102 39 14,0	4,586	563
9905	Auriga	8	7 10,98	4,139	50 35 53,0	4,582	138
9906	Orion.....	8	7 14,03	2,921	96 30 3,2	4,577	266
9907	Orion.....	8½	7 14,66	2,906	97 10 5,4	4,577	264
9908	Orion.....	8½	7 14,82	3,276	81 0 31,8	4,577	205
9909	Taurus n	5½	7 16,31	3,592	68 7 23,9	4,574	36
9910	Taurus n	6	7 16,36	3,592	68 7 21,3	4,574	32
9911	Taurus .....	.	7 19,21	3,761	62 2 1,4	4,571	139
9912	Lepus.....	7½	7 20,74	2,513	113 7 46,2	4,568	559
9913	Taurus	6½	7 25,19	3,541	70 5 23,6	4,561	252
9914	Orion.....	8½	7 33,37	3,149	86 31 39,1	4,550	256
9915	Auriga	8	7 34,42	4,366	45 8 8,8	4,548	142
9916	Auriga	8	7 35,08	4,366	45 8 7,4	4,547	6
9917	Orion.....	8	7 36,16	3,379	76 39 25,9	4,546	204
9918	Taurus	9	7 36,17	3,544	70 0 18,5	4,546	252
9919	Auriga	8½	7 37,66	3,950	55 57 13,0	4,544	315
9920	Orion.....	8½	5 7 47,30	+3,064	90 15 54,0	-4,530	49

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			h m s	s	° ' "	"	
9921	Orion	4	5 7 53.69	+2,908	97 4 14.5	-4,522	251
9922	Orion	4	7 53.78	2,908	97 3 16.2	4,522	313
9923	Orion	4	7 54.03	2,908	97 4 16.6	4,521	465
9924	Orion	4	7 54.16	2,908	97 4 20.1	4,521	266
9925	Orion	4	7 54.36	2,908	97 4 18.4	4,521	264
9926	Lepus	7	7 55.01	2,662	107 22 17.9	4,520	562
9927	Auriga	8½	7 55.53	4,143	50 30 57.2	4,519	138
9928	Lepus	7½	7 57.60	2,557	111 19 53.5	4,515	561
9929	Taurus	9	8 1.11	3,676	65 2 55.8	4,511	204
9930	Lepus	8	8 2.69	2,509	113 17 27.8	4,508	559
9931	Orion	9	8 5.43	3,078	89 37 56.0	4,505	49
9932	Auriga	8½	8 5.47	4,138	50 38 37.5	4,505	138
9933	Auriga	9	8 6.53	3,782	61 19 42.0	4,503	139
9934	Orion	9½	8 6.82	3,274	81 3 54.3	4,503	205
9935	Auriga	9	8 10.54	3,895	57 38 20.7	4,498	141
9936	Orion	8½	8 10.92	3,433	74 26 8.3	4,496	261
9937	Lepus	9	8 14.21	2,661	107 23 18.0	4,492	562
9938	Auriga	8	8 16.95	4,136	50 42 11.5	4,488	138
9939	Auriga	8	8 17.36	4,458	43 11 32.5	4,487	6
9940	Orion	9	8 17.95	2,963	94 39 41.3	4,487	575
9941	Taurus	8	8 18.14	3,493	72 1 5.9	4,486	254
9942	Orion	7½	8 24.54	2,876	98 27 11.6	4,477	266
9943	Lepus	8	8 25.18	2,530	112 29 46.7	4,477	559
9944	Taurus	7	8 26.45	3,755	62 15 34.2	4,475	143
9945	Taurus	6½	8 26.56	3,755	62 15 31.1	4,475	139
9946	Lepus	6	8 29.30	2,751	103 44 41.8	4,471	466
9947	Auriga	6	8 30.07	3,807	60 30 55.0	4,470	260
9948	Taurus	7	8 31.14	3,528	70 38 24.4	4,468	252
9949	Lepus	9½	8 31.38	2,710	105 26 38.5	4,468	467
9950	Lepus	8	8 32.63	2,709	105 26 48.5	4,466	467
9951	Orion	8	8 36.83	2,935	95 52 49.3	4,460	264
9952	Taurus	9	8 41.00	3,488	72 13 34.2	4,454	254
9953	Orion	5½	8 45.39	3,124	87 37 19.2	4,448	316
9954	Orion	6	8 45.58	3,124	87 37 26.3	4,447	256
9955	Auriga	7½	8 46.19	4,017	54 0 51.5	4,446	314
9956	Orion	8	8 47.14	3,379	76 40 6.3	4,445	204
9957	Orion	8	8 47.86	2,922	96 27 40.0	4,444	264
9958	Auriga	8	8 58.97	4,069	52 32 13.5	4,429	309
9959	Lepus	8	8 59.25	2,603	109 41 36.9	4,428	561
9960	Orion	8	5 9 3.22	+2,994	93 18 20.0	-4,423	258

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			h	m	s	s	° ' "	"	
9961	Orion	7	5	9	3.49	+2,994	93 18' 9.7	-4.422	575
9962	Taurus	8		9	8.39	3,469	72 58 28.1	4.415	254
9963	Taurus	6½		9	8.66	3,534	70 24 9.4	4.415	252
9964	Lepus	8		9	12.51	2,685	106 24 47.5	4.410	467
9965	Lepus	8½		9	14.47	2,656	107 35 24.4	4.407	562
9966	Auriga	9		9	15.06	3,859	58 50 27.2	4.406	141
9967	Orion	8½		9	15.22	2,823	100 42 33.4	4.406	313
9968	Orion	8		9	15.76	3,430	74 34 41.6	4.404	261
9969	Orion	7		9	19.86	3,316	79 19 30.3	4.398	311
9970	Orion	8		9	20.04	3,316	79 19 31.9	4.398	205
9971	Orion	7½		9	22.83	3,122	87 41 54.6	4.394	316
9972	Orion	7½		9	27.10	3,033	91 37 49.9	4.388	49
9973	Orion	7		9	27.95	3,032	91 37 53.3	4.387	251
9974	Orion	8½		9	33.09	3,030	91 44 1.2	4.380	49
9975	Orion	8		9	33.58	3,030	91 44 4.6	4.379	251
9976	Orion	8		9	37.12	2,966	94 33 33.9	4.374	575
9977	Auriga .....	.		9	38.97	4,320	46 14 24.6	4.371	142
9978	Orion	7½		9	41.24	2,896	97 34 0.2	4.368	266
9979	Orion	9		9	44.21	3,384	76 27 32.3	4.364	204
9980	Lepus	8		9	50.11	2,541	112 2 53.2	4.356	559
9981	Orion	8		9	50.26	2,953	95 5 47.5	4.355	264
9982	Orion	7		9	50.95	2,953	95 5 40.2	4.355	575
9983	Lepus	9		9	52.67	2,566	111 6 3.8	4.352	561
9984	Lepus	8		9	53.53	2,651	107 47 25.8	4.351	562
9985	Orion	8		9	56.22	2,817	100 57 2.4	4.347	313
9986	Lepus	6½		9	56.45	2,637	108 21 7.5	4.347	562
9987	Taurus	8		9	56.53	3,486	71 18 24.6	4.347	254
9988	Orion	8		9	57.22	2,817	100 57 2.4	4.346	313
9989	Auriga	9½		9	57.91	4,317	46 18 37.7	4.345	142
9990	Lepus	8½	10		1.79	2,764	103 11 42.5	4.339	466
9991*	Camelopardus .	9	10		2.86	5,019	33 49 13.7	4.338	371
9992	Auriga	9	10		4.06	4,326	46 6 52.6	4.336	142
9993	Orion	7	10		6.43	3,321	79 6 0.2	4.332	311
9994	Orion	8	10		6.50	3,321	79 6 5.9	4.332	205
9995	Orion	9	10		8.95	2,906	97 8 58.0	4.329	266
9996	Auriga	8	10		9.47	4,053	53 0 59.1	4.328	309
9997	Orion	9	10		10.71	2,901	97 21 1.6	4.326	266
9998	Auriga	9	10		10.73	3,780	61 27 34.3	4.326	143
9999	Orion	8	10		11.11	3,435	84 21 46.6	4.326	262
10000	Orion	8	5	10	12.92	+2,946	95 25 27.5	-4.323	264

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10001	Auriga	8½	5 10 16,27	+3,809	60 28 43,4	4,319	260
10002	Orion	6½	7 17,47	3,123	87 40 11,7	4,317	316
10003	Orion .....	.	10 17,66	3,123	87 40 13,6	4,316	47
10004	Auriga	8½	10 17,73	4,457	43 15 54,9	4,316	6
10005	Lepus.....	8	10 17,82	2,810	101 15 7,0	4,316	563
10006	Lepus.....	8	10 18,25	2,810	101 14 4,5	4,316	313
10007	Auriga	8	10 19,97	3,790	61 7 5,0	4,315	143
10008	Auriga	8½	10 20,68	3,790	61 6 54,7	4,312	139
10009	Lepus..... λ	4½	10 21,63	2,759	103 23 36,4	4,311	466
10010	Lepus..... λ	4½	10 21,92	2,759	103 23 37,3	4,310	563
10011	Auriga	6½	10 23,76	4,025	53 48 29,6	4,308	314
10012	Orion	7½	10 24,66	3,132	87 17 10,9	4,306	47
10013	Auriga	8	10 24,85	3,772	61 44 20,4	4,306	139
10014	Auriga	8	10 25,09	3,772	61 44 21,6	4,306	143
10015	Orion	8	10 27,14	3,358	77 32 32,1	4,303	311
10016	Orion	8½	10 28,79	3,167	85 44 3,5	4,300	256
10017	Orion	8½	10 29,67	2,955	95 0 18,5	4,299	258
10018	Taurus	9	10 30,03	3,441	74 7 3,4	4,299	262
10019	Orion	8	10 30,05	2,955	95 0 5,0	4,299	575
10020	Lepus.....	7	10 31,25	2,627	108 44 10,1	4,297	562
10021	Lepus.....	7½	10 32,54	2,627	108 43 33,0	4,295	562
10022	Lepus.....	8	10 32,94	2,536	112 12 10,7	4,294	559
10023	Orion	7	10 36,94	2,942	95 35 0,0	4,289	264
10024	Lepus..... γ	6	10 42,01	2,779	102 31 47,5	4,282	466
10025	Lepus..... γ	6	10 42,53	2,779	102 31 51,7	4,281	563
10026	Auriga	7	10 43,55	3,786	61 16 8,0	4,280	139
10027	Auriga	6½	10 43,62	3,786	61 16 14,3	4,280	143
10028	Orion	7½	10 46,63	3,156	86 12 1,3	4,276	256
10029	Orion	8	10 47,03	2,880	98 14 24,6	4,275	266
10030	Orion	9	10 47,52	2,881	98 13 51,5	4,274	266
10031	Auriga	9	10 50,24	3,808	60 32 15,6	4,270	260
10032	Taurus	7½	10 53,49	3,442	74 5 3,5	4,266	262
10033	Auriga	8½	10 57,55	4,071	52 32 23,7	4,260	309
10034	Taurus	8	11 0,73	3,515	71 11 42,7	4,255	252
10035	Taurus	7½	11 1,23	3,515	71 11 45,8	4,254	254
10036	Lepus.....	8½	11 4,54	2,572	110 51 39,1	4,250	561
10037	Auriga σ	5½	11 4,56	4,061	52 49 3,9	4,250	309
10038*	Camelopardus .	9	11 4,62	5,014	33 54 44,5	4,250	371
10039	Auriga	11 6,87	4,315	46 22 30,3	4,246	142
10040	Orion	8	5 11 15,29	+3,226	83 11 32,3	-4,235	46

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10041	Auriga	6	5 11 18,58	+4,019	54 0 6,9	-4,230	314
10042	Orion	6½	11 19,44	3,035	90 37 34,8	4,229	49
10043	Camelopardus .	7	11 20,05	5,623	27 6 47,7	4,228	379
10044	Orion	8½	11 20,30	3,227	83 7 3,1	4,228	46
10045	Auriga	8	11 20,69	4,453	43 22 41,6	4,227	6
10046	Lepus.....	8½	11 21,39	2,753	103 35 52,4	4,226	466
10047	Orion	8	11 21,58	3,030	91 45 19,0	4,226	251
10048	Auriga	8½	11 22,00	4,066	52 41 45,9	4,225	309
10049	Auriga	8½	11 23,94	4,057	52 56 42,2	4,222	309
10050	Orion	8½	11 33,29	3,226	83 11 39,5	4,209	46
10051	Orion o	5	11 33,54	3,056	90 35 28,8	4,208	49
10052	Orion	8	11 34,79	3,147	86 38 9,4	4,207	256
10053	Orion	8	11 35,24	2,893	97 41 23,0	4,207	266
10054	Orion	8	11 35,52	3,399	75 50 36,1	4,206	204
10055	Lepus.....	8½	11 37,69	2,796	101 49 27,6	4,202	563
10056	Taurus	8	11 44,97	3,673	65 14 24,1	4,192	196
10057	Auriga	6½	11 45,39	3,856	58 58 31,3	4,192	141
10058	Auriga	6½	11 45,50	3,856	58 58 39,6	4,191	260
10059	Auriga	6	11 45,74	3,854	59 3 25,4	4,191	141
10060	Auriga	6½	11 46,06	3,854	59 3 42,6	4,191	260
10061	Taurus	7½	11 48,24	3,505	71 36 11,4	4,187	254
10062	Taurus	8½	11 53,06	3,555	69 37 24,4	4,180	252
10063	Lepus.....	5½	11 55,12	2,556	111 27 7,1	4,178	559
10064	Lepus.....	5½	11 55,21	2,556	111 27 6,6	4,178	561
10065	Auriga	9	11 55,39	3,974	55 20 1,1	4,178	315
10066	Auriga	7½	11 55,79	3,974	55 20 34,1	4,177	315
10067	Camelopardus .	8	11 57,41	5,342	29 55 12,5	4,175	381
10068	Orion	7	11 57,55	2,997	93 10 18,1	4,175	575
10069	Orion	8	11 57,75	2,997	93 10 14,6	4,174	251
10070	Orion	7½	11 58,05	2,997	93 10 23,4	4,174	258
10071	Taurus	8	11 58,89	3,471	72 52 48,7	4,173	254
10072	Auriga	9	11 59,96	4,322	46 15 6,5	4,171	142
10073	Taurus	8	12 2,03	3,443	74 4 42,8	4,168	262
10074	Taurus	9	12 3,01	3,551	69 48 16,6	4,167	252
10075	Orion	8½	12 3,72	3,133	87 13 19,6	4,165	47
10076	Orion	8	12 3,87	3,133	87 13 16,2	4,165	316
10077	Lepus.....	8	12 5,19	2,735	104 21 51,0	4,163	466
10078	Orion	8½	12 6,27	2,889	97 52 3,8	4,162	266
10079	Taurus	6½	12 6,75	3,457	73 30 9,3	4,161	262
10080	Taurus	8	5 12 7,40	+3,541	70 12 5,0	-4,160	252

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10081	Auriga	9	5 12 9.14	+3,951	56 1 31.8	-4,158	315
10082	Orion	8	12 10.73	3,125	87 35 26.9	4,156	316
10083	Lepus	7½	12 14.93	2,710	105 21 44.4	4,150	467
10084	Lepus	7½	12 15.74	2,725	104 45 49.8	4,149	466
10085	Auriga	7	12 17.64	3,952	56 0 43.8	4,146	315
10086	Orion	8½	12 18.70	3,129	87 24 18.0	4,144	47
10087	Orion	7	12 18.93	3,129	87 24 17.6	4,144	316
10088	Orion	6	12 19.76	3,146	86 39 37.6	4,143	256
10089	Orion	8½	12 20.76	3,146	86 39 7.6	4,141	256
10090	Lepus	8	12 22.15	2,561	111 14 55.0	4,139	559
10091	Lepus	8	12 22.75	2,561	111 14 53.2	4,138	561
10092	Taurus	8½	12 24.94	3,544	70 3 35.0	4,135	252
10093	Orion	9	12 25.79	3,227	83 8 50.8	4,134	46
10094	Orion	9	12 29.25	2,894	97 39 45.2	4,129	266
10095	Lepus	7½	12 40.99	2,744	103 57 46.4	4,112	466
10096	Taurus	9	12 41.72	3,474	72 48 56.8	4,111	254
10097	Taurus	6	12 45.76	3,475	72 48 56.8	4,106	254
10098	Auriga	7½	12 46.60	4,525	41 57 49.0	4,104	376
10099	Auriga .....	.	12 46.62	4,333	46 1 28.6	4,104	142
10100	Orion	7½	12 48.42	3,321	79 7 0.7	4,102	311
10101	Auriga	8	12 48.73	4,533	41 48 38.9	4,102	376
10102	Orion	9	12 56.76	2,890	97 47 53.8	4,090	266
10103	Orion	8	13 4.33	2,998	93 8 6.9	4,079	575
10104	Lepus	6½	13 4.58	2,649	107 48 31.1	4,078	562
10105	Taurus	8	13 15.34	3,470	73 0 5.2	4,063	254
10106	Auriga	8	13 16.28	4,299	46 49 16.9	4,062	207
10107	Taurus	7	13 17.26	3,556	69 36 49.8	4,061	252
10108	Auriga .....	.	13 17.56	4,299	46 49 21.4	4,060	142
10109	Taurus	6½	13 17.61	3,556	69 36 40.9	4,060	32
10110	Orion	8	13 26.41	3,113	88 7 0.1	4,048	316
10111	Orion	6½	13 29.26	3,061	90 21 32.3	4,043	49
10112	Orion	7½	13 34.27	3,332	78 39 39.1	4,036	311
10113	Auriga	6½	13 34.50	3,960	55 47 58.8	4,035	315
10114	Taurus β	2	13 39.08	3,779	61 34 43.4	4,029	145
10115	Taurus β	2	13 39.14	3,779	61 34 33.5	4,029	141
10116	Taurus β	2	13 39.37	3,779	61 34 32.1	4,029	136
10117	Taurus β	.	13 39.39	3,779	61 34 34.6	4,029	139
10118	Taurus β	2	13 39.69	3,779	61 34 36.9	4,028	204
10119	Taurus β	2	13 39.71	3,779	61 34 33.1	4,028	260
10120	Taurus β	2	5 13 39.74	+3,779	61 34 32.8	-4,028	143

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10121	Taurus β	2	5 13 39.75	+3,779	61 34 28.1	-4,028	135
10122	Taurus β	2	13 39.93	3,780	61 34 29.1	4,028	196
10123	Taurus β	2	13 40.12	3,779	61 34 36.5	4,028	132
10124	Orion	6½	13 41.17	3,045	91 3 53.9	4,026	49
10125	Orion	7	13 43.52	2,871	98 37 1.5	4,023	266
10126	Lepus.....	8½	13 56.09	2,591	110 4 54.2	4,005	561
10127	Lepus.....	9	13 56.88	2,591	110 3 29.1	4,004	561
10128	Orion	8	14 1.86	3,146	86 40 39.1	3,997	256
10129	Taurus .....	.	14 6.73	3,456	73 33 23.7	3,989	262
10130	Orion	8	14 7.84	2,874	98 29 13.2	3,988	266
10131	Orion	8	14 9.20	2,824	100 36 6.1	3,986	313
10132	Lepus.....	8½	14 10.43	2,805	101 24 6.9	3,984	563
10133	Orion	6½	14 11.13	3,115	88 0 32.1	3,983	316
10134	Orion	7½	14 11.14	3,119	87 50 34.0	3,983	47
10135	Lepus.....	8	14 14.40	2,718	105 2 4.9	3,978	467
10136	Lepus.....	8	14 14.77	2,718	105 2 1.3	3,978	466
10137	Taurus	9	14 18.06	3,520	71 3 18.4	3,973	252
10138	Orion p	6	14 19.12	3,045	91 5 45.2	3,972	50
10139	Orion e	4½	14 19.12	2,885	98 0 9.7	3,972	266
10140	Orion p	6	14 19.16	3,045	91 5 41.5	3,972	49
10141	Auriga	9	14 19.41	4,516	42 10 51.4	3,972	376
10142	Lepus.....	8	14 20.32	2,501	113 27 31.9	3,970	559
10143	Taurus	7	14 21.00	3,827	69 58 56.0	3,969	260
10144	Lepus.....	6	14 21.46	2,740	104 7 30.3	3,968	466
10145	Orion ψ^1	5	14 21.94	3,107	88 20 56.7	3,968	316
10146	Orion ψ^1	6	14 22.06	3,107	88 20 54.1	3,968	47
10147	Auriga ϕ	5½	14 24.03	3,964	55 42 36.9	3,965	315
10148	Auriga ϕ	6	14 24.10	3,964	55 42 43.5	3,965	141
10149	Auriga	8½	14 24.36	3,818	60 16 12.3	3,965	260
10150	Orion..... γ	2	14 24.40	3,211	83 50 39.0	3,965	46
10151	Orion..... γ	2	14 24.42	3,211	83 50 37.3	3,965	311
10152	Orion η	3	14 25.41	3,010	92 35 31.4	3,963	575
10153	Orion η	3	14 25.61	3,010	92 35 43.7	3,963	258
10154	Orion η	3	14 25.61	3,010	92 35 34.9	3,963	251
10155	Orion η	3	14 26.59	3,010	92 35 40.6	3,961	264
10156	Taurus	8½	14 29.16	3,750	62 34 40.1	3,958	143
10157	Taurus	6	14 32.45	3,458	73 29 20.8	3,953	262
10158	Auriga	8	14 34.74	3,946	56 14 32.4	3,950	315
10159	Orion	8	14 37.96	3,008	92 41 34.3	3,945	251
10160	Auriga	8	5 14 39.75	+4,096	51 57 21.7	-3,943	309

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10161	Lepus.....	9	5 14 41,33	+2,506	113 15 43,0	-3,941	559
10162	Auriga	7½	14 47,25	4,254	47 54 36,2	3,931	207
10163	Orion	9	14 48,07	3,109	88 16 8,2	3,931	47
10164	Auriga	7	14 53,67	3,941	56 24 40,6	3,922	315
10165	Orion	7½	14 59,94	3,001	93 0 27,5	3,913	575
10166	Orion	8	15 0,16	3,001	93 0 33,0	3,913	251
10167	Taurus	7	15 7,06	3,447	73 58 4,6	3,903	262
10168	Auriga	7	15 10,02	3,972	55 29 15,9	3,899	315
10169	Lepus.....	8	15 12,58	2,526	112 30 8,1	3,895	559
10170	Lepus.....	8½	15 15,63	2,688	106 14 16,4	3,891	467
10171	Lepus.....	9	15 17,50	2,810	101 10 56,0	3,888	563
10172	Lepus.....	8	15 17,97	2,568	110 55 28,8	3,888	561
10173	Orion	7½	15 19,86	3,053	90 44 7,1	3,886	50
10174	Auriga	9	15 20,57	3,841	59 32 26,0	3,885	260
10175	Auriga	8	15 23,08	4,080	52 24 31,2	3,881	309
10176	Orion	8½	15 27,13	3,273	81 11 15,0	3,875	205
10177*	Camelopardus .	8	15 27,50	5,095	32 56 24,6	3,875	371
10178	Camelopardus .	8	15 27,60	5,095	32 56 26,8	3,875	380
10179	Taurus	6	15 30,46	3,490	72 13 23,0	3,870	254
10180	Orion	8	15 30,71	3,382	76 36 16,4	3,870	204
10181	Orion	7	15 30,85	3,077	89 40 6,8	3,869	49
10182	Lepus.....	6½	15 34,21	2,664	107 10 0,0	3,864	562
10183	Lepus.....	6	15 34,28	2,664	107 10 4,2	3,864	467
10184	Orion	6	15 35,62	2,826	100 30 10,9	3,863	313
10185	Taurus 0	4½	15 37,51	3,593	68 14 22,4	3,860	36
10186	Taurus 0	5	15 38,08	3,593	68 14 49,0	3,859	32
10187	Orion	8	15 41,36	2,888	97 53 14,7	3,854	266
10188	Auriga	9	15 42,74	4,514	42 16 3,4	3,852	376
10189	Lepus.....	.	15 51,51	2,803	101 30 15,4	3,840	563
10190	Orion	7½	15 52,82	3,223	83 18 57,9	3,838	46
10191	Orion	8	15 52,91	3,223	83 18 57,6	3,838	42
10192	Lepus.....	8½	15 56,58	2,661	107 18 25,9	3,832	562
10193	Taurus	7	16 0,10	3,443	74 8 34,9	3,827	262
10194	Orion	8½	16 1,97	3,393	76 9 18,1	3,824	204
10195	Orion	7½	16 3,34	3,133	87 15 2,7	3,823	256
10196	Orion	7½	16 3,71	3,133	87 14 59,8	3,821	47
10197	Auriga	8	16 5,82	4,086	52 14 42,2	3,819	309
10198	Auriga	9	16 7,82	4,215	48 53 36,4	3,817	207
10199	Orion	8	16 10,03	2,919	96 32 59,3	3,814	264
10200	Orion	7½	5 16 11,25	+2,845	99 43 26,3	-3,812	313

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10201	Orion	8½	5	16	12,54	+3,231	83	0	48,3	-3,810	42
10202	Orion	8		16	13,29	3,231	83	0	46,5	3,809	46
10203	Orion	7		16	13,77	2,938	95	42	26,0	3,808	264
10204	Taurus	6		16	16,44	3,439	74	18	25,2	3,804	262
10205	Auriga .....	.		16	16,71	3,891	57	58	40,2	3,804	141
10206	Lepus	7		16	17,80	2,603	109	33	53,3	3,804	561
10207	Orion	9		16	19,48	3,396	76	2	49,1	3,799	204
10208	Taurus	8		16	20,89	3,615	67	26	10,6	3,797	36
10209	Auriga	6½		16	21,04	3,996	54	48	3,3	3,797	314
10210	Taurus	7½		16	21,24	3,615	67	26	12,0	3,797	32
10211	Lepus	9		16	21,37	2,620	108	54	36,8	3,796	318
10212	Orion ψ	6		16	21,73	3,136	87	5	21,6	3,796	47
10213	Orion ... ψ	5		16	22,08	3,136	87	5	22,4	3,796	256
10214	Orion	8		16	23,27	3,148	86	34	13,5	3,794	256
10215	Auriga	9		16	24,15	3,987	55	4	11,5	3,793	314
10216	Orion	8		16	24,69	2,827	100	27	18,9	3,792	313
10217	Taurus	7		16	25,66	3,473	72	56	27,0	3,790	254
10218	Lepus	7		16	26,30	2,759	103	19	2,7	3,789	466
10219	Lepus	7½		16	26,78	2,759	103	18	59,4	3,789	563
10220	Auriga	8		16	30,05	4,076	52	31	49,6	3,784	309
10221	Orion	8		16	36,03	3,154	86	19	26,2	3,776	256
10222	Taurus	7		16	37,64	3,453	73	44	19,7	3,774	262
10223	Auriga	7½		16	38,13	3,928	56	50	3,1	3,773	315
10224	Auriga	7½		16	41,81	4,223	48	42	34,5	3,768	207
10225	Orion	8		16	44,47	3,366	77	16	10,8	3,763	311
10226	Lepus	7		16	50,24	2,764	103	5	29,8	3,756	466
10227	Auriga	9		16	50,38	3,998	54	45	14,4	3,756	314
10228	Lepus	7½		16	50,94	2,764	103	5	26,3	3,755	563
10229	Taurus	7½		16	52,00	3,457	73	34	27,5	3,753	262
10230	Orion	7		16	56,15	3,011	92	32	34,5	3,747	251
10231	Taurus	8		16	57,97	3,681	65	1	41,8	3,744	145
10232	Taurus	8½		16	57,98	3,681	65	1	43,8	3,744	145
10233	Taurus	6		16	58,54	3,681	65	1	35,7	3,744	204
10234	Orion	8½		16	58,55	2,916	96	40	53,7	3,744	264
10235	Auriga	7		16	58,56	3,798	60	59	17,5	3,744	260
10236	Auriga	6½		16	58,80	3,798	60	59	15,7	3,744	143
10237	Orion	7		16	58,96	3,041	91	16	11,5	3,743	251
10238	Orion	8		16	59,13	3,041	91	16	12,0	3,743	50
10239	Orion	8		17	1,16	3,034	91	33	2,6	3,741	50
10240	Orion	7	5	17	1,53	+3,034	91	33	0,2	-3,740	251

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10241	Taurus	7½	5 17 5,50	+3,555	69 44 6,0	-3,734	252
10242	Auriga	8½	17 9,59	4,083	52 21 38,5	3,728	309
10243	Auriga	9	17 10,77	4,480	42 58 38,3	3,727	376
10244	Auriga	8	17 10,80	4,480	42 58 40,0	3,727	6
10245	Auriga	8	17 11,12	3,957	55 58 28,0	3,726	315
10246	Lepus	8½	17 13,14	2,739	104 7 29,5	3,723	466
10247	Taurus	9	17 15,82	3,732	63 14 16,7	3,718	143
10248	Orion	7	17 16,60	3,385	76 29 55,1	3,718	204
10249	Camelopardus .	9	17 17,14	5,026	33 53 39,1	3,717	380
10250	Lepus	8	17 17,15	2,736	104 13 56,0	3,717	466
10251	Camelopardus .	8½	17 17,31	5,288	30 38 19,9	3,717	381
10252	Taurus	7½	17 17,96	3,453	73 45 4,9	3,716	262
10253	Lepus	9	17 18,20	2,595	109 52 27,9	3,715	561
10254	Lepus	6½	17 19,66	2,594	109 52 49,0	3,714	561
10255	Auriga	7½	17 21,79	3,809	60 37 34,4	3,710	260
10256*	Camelopardus .	9	17 26,07	5,026	33 53 42,2	3,704	371
10257	Lepus	7½	17 30,12	2,741	104 2 36,2	3,698	466
10258	Orion	8½	17 34,44	3,091	89 4 26,2	3,693	47
10259	Lepus	8½	17 34,63	2,514	112 55 34,5	3,693	559
10260	Camelopardus .	9	17 36,18	5,315	30 23 59,8	3,690	381
10261	Orion	8	17 36,34	3,147	86 38 38,0	3,690	256
10262	Orion	7	17 37,31	3,358	77 36 49,5	3,688	311
10263	Taurus	7½	17 37,63	3,502	71 48 36,1	3,687	254
10264	Orion .....	.	17 41,48	3,095	88 52 45,9	3,682	47
10265	Auriga	7	17 43,73	4,102	51 50 59,1	3,679	309
10266	Auriga	9	17 43,81	4,267	47 40 19,0	3,679	207
10267	Orion	8	17 43,81	3,368	77 1 32,1	3,679	204
10268	Lepus	9	17 44,00	2,694	105 56 50,1	3,679	467
10269	Lepus	6½	17 45,90	2,788	102 4 46,0	3,676	563
10270	Orion	8½	17 48,74	2,945	95 26 10,6	3,672	264
10271	Auriga	7½	17 53,59	4,046	53 23 30,4	3,664	314
10272	Camelopardus .	7½	17 55,88	5,766	25 59 51,1	3,662	379
10273	Orion	8½	17 55,96	3,284	80 44 3,3	3,662	205
10274	Orion	9	17 56,91	3,301	80 2 20,2	3,660	205
10275	Orion	8	18 0,07	3,027	91 50 40,2	3,656	251
10276	Orion	9	18 1,86	3,204	84 10 0,5	3,653	46
10277	Auriga .....	.	18 3,40	4,348	45 48 20,5	3,651	142
10278	Auriga	9	18 3,77	4,264	47 44 59,3	3,651	207
10279*	Orion	8	18 7,42	2,873	98 30 17,3	3,645	266
10280	Taurus	8½	5 18 7,65	+3,503	71 45 23,3	-3,644	254

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10281	Taurus	9	5 18 8.16	+3,687	64 50 25.1	-3,644	145
10282	Taurus	9	18 8.74	3,478	72 44 33.3	3,643	254
10283	Lepus	7½	18 9.40	2,748	103 44 49.0	3,642	466
10284	Orion	8½	18 10.13	3,379	76 44 43.9	3,641	204
10285	Taurus	9	18 11.61	3,611	67 37 53.8	3,639	36
10286	Auriga	8½	18 11.70	4,467	43 16 0.9	3,639	6
10287	Taurus	7½	18 11.98	3,611	67 37 55.3	3,639	32
10288	Orion	7	18 12.06	3,066	90 9 26.4	3,639	50
10289	Auriga	9	18 14.62	3,986	55 8 25.1	3,635	315
10290	Auriga	8	18 20.91	4,002	54 40 41.5	3,625	314
10291	Taurus	7	18 22.06	3,558	69 37 13.2	3,624	252
10292	Orion	8	18 23.53	3,103	88 31 50.6	3,621	47
10293	Taurus	7	18 26.91	3,446	74 1 17.5	3,616	262
10294	Auriga	8	18 27.57	3,981	55 17 15.2	3,616	315
10295	Lepus	8	18 28.14	2,610	109 16 29.3	3,615	561
10296	Auriga	9	18 29.09	4,536	41 53 16.9	3,614	376
10297	Auriga	8	18 29.17	4,094	52 5 10.4	3,614	309
10298	Lepus	8	18 29.44	2,610	109 16 32.7	3,613	318
10299	Orion	8	18 32.02	2,986	93 37 52.4	3,610	258
10300*	Orion	7	18 35.88	3,352	77 54 7.1	3,604	311
10301	Taurus	5½	18 39.46	3,609	67 42 23.7	3,599	32
10302	Taurus	6	18 39.97	3,609	67 42 27.1	3,598	36
10303	Orion	8½	18 46.90	2,942	95 32 1.2	3,588	264
10304	Taurus	8	18 49.75	3,758	62 23 44.7	3,584	143
10305	Auriga	8	18 52.16	4,093	52 7 26.4	3,581	309
10306	Auriga	•	18 52.17	4,151	50 35 31.2	3,581	6
10307	Auriga	8½	18 57.60	3,966	55 43 42.6	3,573	315
10308	Orion	7	18 57.76	2,990	93 28 56.2	3,573	258
10309	Taurus	•	18 59.54	3,427	74 48 25.5	3,571	262
10310	Lepus	8	19 3.71	2,562	111 5 26.5	3,565	561
10311	Orion	8	19 4.32	3,138	87 1 28.1	3,563	256
10312	Auriga	9	19 5.18	3,812	60 33 44.7	3,562	260
10313	Lepus	6½	19 5.68	2,550	111 33 10.5	3,561	559
10314	Orion	7	19 7.38	2,872	98 33 2.8	3,558	266
10315	Lepus	7½	19 8.75	2,637	108 10 51.9	3,557	318
10316	Orion	9	19 14.05	3,065	90 12 48.0	3,549	50
10317	Auriga	9	19 14.09	3,795	61 9 10.3	3,549	260
10318	Auriga	•	19 15.09	4,370	45 21 26.7	3,548	142
10319	Auriga	8	19 16.06	4,253	48 3 6.9	3,546	207
10320	Orion	8	5 19 17.41	+2,940	95 37 4.5	-3,545	264

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10321	Lepus.....	7½	5 19 17,66	+2,565	110 59 1,6	-3,544	561
10322	Orion.....	8½	19 21,25	2,932	95 57 52,5	3,539	264
10323	Orion.....	8	19 24,05	3,065	90 11 32,0	3,535	50
10324	Auriga	7	19 24,63	4,032	53 50 31,0	3,534	314
10325	Orion.....	6½	19 25,67	2,986	93 37 7,6	3,533	258
10326	Orion.....	7½	19 30,61	3,047	90 58 11,5	3,526	251
10327	Auriga	•	19 30,67	4,149	50 38 52,7	3,526	6
10328	Orion.....	7	19 32,04	3,107	88 22 46,8	3,524	47
10329	Auriga	8	19 32,88	3,801	60 58 5,2	3,522	260
10330	Orion.....	5	19 35,12	3,041	91 15 42,3	3,519	251
10331	Lepus β	•	19 40,60	2,566	110 55 46,3	3,511	559
10332	Auriga	•	19 40,68	4,331	46 13 7,5	3,511	142
10333	Lepus β	3	19 40,70	2,566	110 55 44,2	3,511	561
10334	Lepus β	3	19 40,96	2,566	110 55 43,8	3,511	321
10335	Lepus β	3	19 41,04	2,566	110 55 47,9	3,511	319
10336	Lepus β	3	19 41,57	2,566	110 55 33,9	3,510	466
10337	Auriga χ	5½	19 42,99	3,893	57 58 17,6	3,508	141
10338	Orion.....	7	19 44,90	2,898	97 25 54,4	3,505	266
10339	Orion.....	7	19 45,97	3,163	85 57 42,5	3,503	256
10340	Auriga	9	19 46,41	3,888	58 7 53,8	3,502	141
10341	Orion.....	8	19 49,56	3,304	79 54 45,6	3,498	205
10342	Orion.....	8	19 51,05	3,348	78 4 10,5	3,496	311
10343	Orion.....	7½	19 52,19	3,302	80 0 15,7	3,494	205
10344	Orion.....	8½	19 54,21	3,260	81 46 16,9	3,491	42
10345	Taurus	8	19 57,48	3,735	63 10 57,1	3,486	145
10346	Taurus	7½	19 58,07	3,500	71 55 8,9	3,485	254
10347	Taurus	9	19 58,62	3,533	70 36 49,5	3,485	252
10348	Taurus	8	19 59,20	3,736	63 10 47,8	3,484	143
10349	Auriga	8½	20 1,33	3,883	58 17 22,0	3,481	141
10350	Orion A	6	20 5,23	3,203	84 12 55,6	3,476	46
10351	Orion.....	8½	20 6,86	3,410	75 31 9,1	3,473	204
10352	Lepus.....	8½	20 8,89	2,652	107 35 48,9	3,470	467
10353	Lepus.....	8	20 9,13	2,652	107 35 48,4	3,470	318
10354	Orion.....	7	20 11,18	3,417	75 14 4,7	3,467	204
10355	Auriga	8½	20 11,91	4,213	49 1 58,9	4,466	207
10356	Auriga	8	20 12,26	4,037	53 42 1,1	3,465	314
10357	Auriga	7	20 14,54	3,897	57 52 17,7	3,462	141
10358	Lepus.....	8	20 16,09	2,654	107 29 31,4	3,460	467
10359	Lepus.....	8	20 16,79	2,654	107 29 36,9	3,459	318
10360	Taurus	8½	5 20 18,01	+3,729	63 24 58,0	-3,457	145

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10361	Taurus	8½	5 20 19,74	+3,729	63 24 51,2	-3,454	143
10362	Camelopardus .	9	20 20,55	5,281	30 47 4,1	3,453	381
10363	Auriga	6½	20 21,51	3,977	55 25 57,7	3,452	315
10364	Orion	8½	20 22,85	2,990	93 28 0,5	3,450	258
10365	Auriga	9	20 29,46	4,529	42 4 30,5	3,442	376
10366	Orion	8	20 29,66	2,928	96 9 16,3	3,441	264
10367	Taurus	5½	20 29,87	3,509	71 34 3,7	3,441	254
10368	Orion	9	20 30,49	3,103	88 33 9,6	3,440	47
10369	Camelopardus .	8½	20 33,67	5,048	33 39 43,0	3,435	380
10370	Orion	8½	20 35,28	3,143	86 48 41,0	3,433	256
10371	Taurus	8	20 35,34	3,705	64 16 0,6	3,433	145
10372	Orion	8½	20 35,59	3,240	82 36 49,8	3,433	42
10373	Orion	6½	20 41,30	2,894	97 36 7,3	3,424	266
10374	Taurus	9	20 41,63	3,569	69 14 32,3	3,424	252
10375	Orion..... n¹	6	20 44,94	3,142	86 52 19,2	3,419	256
10376	Lepus.....	9	20 46,12	2,799	101 36 22,0	3,418	563
10377	Auriga	8	20 49,52	3,934	56 44 37,7	3,412	315
10378	Auriga	9	20 56,60	3,961	55 56 17,1	3,402	315
10379	Auriga	8	20 57,49	4,302	46 54 42,6	3,401	142
10380	Lepus.....	8	20 58,26	2,558	111 12 27,5	3,399	561
10381	Orion	8	20 58,27	2,968	94 25 7,9	3,399	258
10382	Lepus.....	8	20 58,64	2,558	111 12 34,2	3,399	559
10383	Lepus.....	8	20 58,76	2,558	111 12 34,0	3,398	319
10384	Lepus.....	8	20 58,82	2,765	103 0 43,3	3,398	563
10385	Auriga	8	21 4,37	4,001	54 44 35,0	3,390	314
10386	Orion	8½	21 8,03	3,105	88 28 16,9	3,386	47
10387	Lepus.....	8	21 8,61	2,763	103 6 58,7	3,385	563
10388	Auriga	7	21 11,23	4,511	42 26 5,5	3,381	376
10389	Orion .....	.	21 14,49	2,923	96 21 16,0	3,377	264
10390	Taurus	8	21 15,26	3,670	65 31 31,1	3,375	196
10391	Lepus.....	8	21 16,43	2,513	112 53 9,5	3,374	559
10392	Auriga	9	21 24,53	4,299	46 59 42,9	3,362	142
10393	Taurus	8	21 24,76	3,742	62 59 26,3	3,361	143
10394	Orion	7	21 30,94	2,832	100 12 33,3	3,353	313
10395	Orion	9	21 33,67	3,291	80 29 22,0	3,349	205
10396	Orion	7½	21 37,68	2,911	96 52 18,5	3,343	264
10397	Taurus	9	21 38,84	3,443	74 12 18,5	3,341	262
10398	Auriga	9	21 39,75	4,412	44 28 46,0	3,339	6
10399	Auriga	21 41,42	4,351	45 49 25,0	3,337	142
10400	Orion	7	5 21 44,20	+2,992	93 22 38,7	-3,334	258

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10401	Taurus	8	5 21 44.33	+3,734	63 16 17.2	-3,334	145
10402	Taurus	8	21 44.82	3,734	63 16 10.6	3,333	143
10403	Taurus	7	21 45.79	3,558	69 40 56.0	3,332	252
10404	Orion δ	2	21 47.47	3,059	90 27 22.9	3,329	316
10405	Orion	8	21 47.83	3,059	90 26 40.6	3,329	50
10406	Orion δ	3	21 47.84	3,059	90 27 33.8	3,329	50
10407	Orion δ	2	21 48.07	3,059	90 27 32.0	3,329	251
10408	Auriga	7½	21 48.12	4,091	52 14 56.1	3,329	309
10409	Taurus	7	21 48.83	3,507	71 37 59.0	3,327	254
10410	Taurus	8	21 51.04	3,747	62 49 23.9	3,324	145
10411	Taurus	8½	21 51.54	3,747	62 49 21.3	3,323	143
10412	Lepus.....	9	21 52.62	2,692	105 58 3.6	3,321	467
10413	Auriga	8	21 52.65	4,095	52 7 54.9	3,321	309
10414	Taurus	9½	21 52.72	3,572	69 7 57.9	3,321	36
10415	Lepus.....	8½	21 56.83	2,621	108 46 18.1	3,316	318
10416	Orion	8½	22 0.85	2,903	97 12 33.6	3,310	264
10417	Orion	9	22 3.61	3,127	87 30 35.4	3,306	47
10418	Orion	8½	22 6.83	3,236	82 50 0.0	3,301	42
10419	Auriga	9	22 10.27	3,913	57 24 5.1	3,296	141
10420	Auriga	9	22 12.65	4,524	42 12 24.9	3,293	376
10421	Camelopardus .	8	22 12.87	5,042	33 46 31.2	3,293	380
10422	Taurus	9½	22 13.48	3,574	69 5 37.2	3,292	36
10423	Auriga	8½	22 14.00	3,855	59 13 12.5	3,291	260
10424	Orion υ	4	22 15.60	2,897	97 27 37.3	3,289	266
10425	Orion υ	6	22 16.12	2,897	97 27 37.4	3,288	264
10426	Orion	8	22 23.84	3,066	90 8 44.4	3,276	50
10427	Orion	8½	22 24.54	2,911	96 52 2.8	3,275	264
10428	Orion	8½	22 26.55	3,232	83 0 4.5	3,273	42
10429	Orion	8	22 27.18	2,903	97 12 30.6	3,272	266
10430	Taurus	8	22 28.87	3,737	63 10 27.5	3,270	145
10431	Auriga	8½	22 29.15	4,469	43 19 22.7	3,269	6
10432	Taurus	8	22 29.37	3,737	63 10 24.9	3,268	143
10433	Auriga	9	22 32.66	3,846	59 32 42.8	3,263	260
10434	Taurus	7½	22 32.80	3,434	74 33 54.8	3,263	262
10435	Lepus.....	6	22 34.09	2,563	111 1 17.2	3,262	559
10436	Lepus.....	7	22 34.45	2,563	111 1 21.0	3,261	319
10437	Orion	7	22 34.49	3,029	91 44 54.2	3,261	251
10438	Lepus.....	6	22 34.56	2,563	111 1 19.1	3,261	561
10439	Lepus.....	9	22 38.25	2,707	105 21 52.6	3,256	467
10440	Taurus	9	5 22 43.62	+3,753	62 38 1.6	-3,248	143

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			h m s	s	° ' "	"	
10441	Auriga	8	5 22 46.89	+4,341	46° 4' 23.6	-3,243	142
10442	Camelopardus .	9	22 47.52	5,679	26 49 29.4	3,243	379
10443	Taurus	8	22 49.28	3,661	65 51 27.2	3,240	196
10444	Auriga	7	22 54.63	4,179	49 57 47.9	3,232	6
10445	Auriga	8	22 56.44	4,245	48 18 54.4	3,229	207
10446	Lepus.....	8½	22 58.62	2,618	108 52 26.0	3,226	318
10447	Taurus	8½	22 58.89	3,439	74 21 7.1	3,226	262
10448	Orion.....	8	23 3.70	2,961	94 43 14.4	3,219	258
10449	Lepus.....	8½	23 7.45	2,698	105 43 35.5	3,214	467
10450	Taurus	9	23 8.22	3,532	70 40 53.4	3,213	252
10451	Auriga	8	23 9.60	4,108	51 48 6.6	3,210	309
10452	Lepus.....	8½	23 9.98	2,643	107 55 37.1	3,210	318
10453	Taurus	6	23 14.86	3,654	66 6 29.8	3,203	196
10454	Taurus	9	23 15.71	3,511	71 31 12.4	3,202	254
10455	Orion.....	9	23 21.20	2,959	94 47 21.7	3,194	258
10456	Orion.....	6½	23 22.48	3,040	91 18 29.4	3,193	251
10457	Taurus	6½	23 23.19	3,757	62 28 59.6	3,191	143
10458	Auriga	9	23 25.91	3,890	58 8 25.3	3,187	141
10459	Taurus	8	23 28.61	3,583	68 44 35.0	3,184	32
10460	Taurus	8	23 29.79	3,540	70 23 31.2	3,181	252
10461	Camelopardus .	8½	23 31.83	5,403	29 30 32.0	3,178	381
10462	Orion.....	8½	23 35.84	3,137	87 5 34.4	3,173	256
10463	Auriga	8	23 35.85	3,846	59 33 15.1	3,173	260
10464	Taurus	8	23 36.39	3,436	74 30 27.4	3,172	262
10465	Orion.....	8	23 36.99	3,099	88 44 29.7	3,171	47
10466	Lepus.....	9	23 39.42	2,562	112 22 52.1	3,167	559
10467	Taurus	8	23 42.64	3,583	68 44 33.3	3,163	36
10468	Lepus.....	7	23 44.80	2,679	106 28 36.5	3,160	467
10469	Orion..... π^2	6	23 45.48	3,153	86 22 53.2	3,159	256
10470	Camelopardus .	9½	23 46.02	6,315	22 8 35.3	3,158	376
10471	Orion.....	8	23 48.85	3,381	76 43 58.8	3,154	204
10472	Auriga	8	23 50.64	3,983	55 19 48.9	3,152	314
10473	Orion..... ϕ^1	5	23 50.71	3,287	80 39 29.1	3,152	205
10474	Auriga	8½	23 51.29	3,983	55 19 48.1	3,151	315
10475	Lepus.....	9	23 52.07	2,608	109 15 33.3	3,149	319
10476	Lepus..... α	3	23 52.80	2,641	107 58 35.8	3,149	561
10477	Lepus.....	9	23 53.58	2,763	103 3 16.5	3,147	563
10478	Lepus..... α	3	23 54.27	2,642	107 57 19.0	3,147	313
10479	Orion.....	7	23 54.46	3,042	91 11 3.3	3,147	251
10480	Lepus..... α	3	5 23 54.75	+2,641	107 58 35.7	-3,146	318

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			h m s	s			
10481	Lepus..... α	3	5 23 54.88	+2,641	107° 58' 30.9"	-3,146	466
10482	Orion.....	8½	23 56.04	3,208	84 1 9.2	3,144	46
10483	Orion.....	7	23 57.02	3,032	91 37 6.2	3,143	251
10484	Camelopardus .	9½	24 0.07	4,954	35 1 42.7	3,137	380
10485	Taurus	8	24 0.45	3,514	71 23 17.4	3,137	254
10486	Orion.....	8½	24 2.84	3,378	76 51 32.1	3,134	204
10487	Orion.....	8	24 3.01	3,197	84 29 12.5	3,133	46
10488	Taurus	8	24 5.32	3,765	62 13 51.8	3,130	143
10489	Taurus	7½	24 6.91	3,708	64 12 11.0	3,128	145
10490	Orion..... λ	4	24 7.27	3,298	80 12 47.5	3,127	206
10491	Orion.....	.	24 7.72	3,298	80 12 43.3	3,127	311
10492	Orion.....	.	24 10.87	3,305	79 54 18.8	3,123	311
10493	Orion.....	7½	24 10.92	3,303	79 59 22.2	3,123	206
10494	Orion.....	8	24 13.47	3,290	80 32 3.0	3,119	206
10495	Taurus	7½	24 14.53	3,535	70 35 45.6	3,117	252
10496	Orion.....	7½	24 15.03	3,066	90 9 40.6	3,116	50
10497	Orion.....	.	24 15.96	3,294	80 22 7.8	3,116	206
10498	Taurus	9½	24 17.75	3,536	70 32 43.6	3,113	252
10499	Orion.....	7½	24 21.57	2,903	97 10 12.2	3,107	264
10500	Orion.....	7	24 22.11	2,903	97 10 9.9	3,106	266
10501	Orion.....	8½	24 22.26	3,268	81 26 40.7	3,106	42
10502	Lepus.....	9	24 25.31	2,558	111 10 10.9	3,101	559
10503	Taurus	8	24 25.93	3,600	68 8 35.8	3,101	36
10504	Auriga	9	24 26.07	3,870	58 48 24.3	3,100	141
10505	Auriga	7½	24 31.59	4,247	48 17 40.9	3,092	207
10506	Orion.....	8	24 31.71	2,955	94 57 9.2	3,091	258
10507	Auriga	7	24 33.89	4,011	54 32 2.5	3,089	314
10508	Auriga	6½	24 35.57	3,942	56 34 49.3	3,087	315
10509	Auriga	7½	24 36.42	4,089	52 23 34.6	3,085	309
10510	Taurus	6	24 40.02	3,737	63 12 52.9	3,080	143
10511	Lepus.....	8	24 42.70	2,603	109 26 37.8	3,076	319
10512	Orion.....	8	24 43.04	3,063	90 16 8.9	3,076	50
10513	Taurus	8	24 53.56	3,519	71 12 17.5	3,061	254
10514	Auriga	8	24 56.06	4,024	54 10 48.2	3,057	314
10515	Orion.....	8	24 56.55	3,060	90 24 53.3	3,056	50
10516	Auriga	7½	25 1.26	4,228	48 46 7.3	3,050	207
10517	Lepus.....	9	25 2.04	2,791	101 54 48.7	3,049	563
10518	Orion.....	7½	25 3.65	2,822	100 37 45.2	3,047	313
10519	Orion.....	7	25 7.24	2,897	97 25 38.0	3,041	266
10520	Lepus.....	9	5 25 7.26	+2,705	105 25 53.2	-3,041	467

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10521	Lepus.....	8½	5 25 7.29	+2,705	105 25 48.5	-3,041	466
10522	Auriga	8	25 7.77	4,283	47 27 14.7	3,040	142
10523	Lepus.....	8½	25 8.47	2,599	109 34 45.8	3,040	319
10524	Auriga	8½	25 9.58	3,963	55 57 37.8	3,038	315
10525	Taurus	6½	25 9.62	3,737	63 12 49.6	3,038	145
10526	Taurus	9	25 10.08	3,747	62 51 54.8	3,038	143
10527	Orion	8	25 14.43	2,927	96 9 9.7	3,031	264
10528	Taurus	8½	25 14.86	3,717	63 55 19.3	3,031	145
10529	Orion	7	25 16.33	2,927	96 8 47.7	3,028	264
10530	Auriga	8½	25 17.98	4,088	52 23 40.6	3,026	309
10531	Lepus	9	25 22.20	2,554	111 19 5.4	3,019	559
10532	Orion	8	25 22.63	3,343	78 18 8.9	3,019	311
10533	Auriga	7½	25 22.95	4,097	52 9 30.5	3,019	309
10534	Taurus	8½	25 23.03	3,443	74 13 7.6	3,019	262
10535	Orion	8½	25 23.19	2,836	100 2 19.4	3,018	313
10536	Lepus.....	8	25 25.50	2,790	101 56 35.8	3,014	563
10537	Taurus	7	25 27.49	3,471	73 5 50.5	3,012	254
10538	Taurus	6½	25 27.77	3,471	73 5 46.4	3,012	262
10539	Lepus.....	8	25 27.77	2,628	108 29 3.1	3,012	318
10540	Orion	6	25 30.71	2,954	94 58 57.6	3,007	258
10541	Lepus.....	7	25 32.15	2,615	108 57 32.1	3,005	318
10542	Orion	8	25 34.91	3,174	85 30 35.2	3,001	256
10543	Orion	3½	25 38.34	2,929	96 3 3.2	2,996	251
10544	Orion	3½	25 38.92	2,929	96 3 8.4	2,995	264
10545	Auriga	7½	25 39.10	4,311	46 48 17.4	2,995	142
10546	Orion	3½	25 39.23	2,929	96 3 6.8	2,995	266
10547	Orion	8	25 41.21	2,954	94 58 46.7	2,992	258
10548	Taurus ζ	.	25 41.78	3,577	68 59 35.8	2,991	204
10549	Taurus ζ	3½	25 42.06	3,577	68 59 37.7	2,991	36
10550	Taurus ζ	4	25 42.08	3,577	68 59 34.5	2,991	32
10551	Taurus ζ	3	25 42.10	3,577	68 59 37.2	2,991	196
10552	Camelopardus .	9	25 45.24	5,344	30 10 44.2	2,986	381
10553	Auriga	10	25 46.75	3,844	59 38 29.6	2,985	141
10554	Auriga	9½	25 47.40	3,844	59 38 28.7	2,984	260
10555	Orion	7	25 47.71	2,954	94 59 54.8	2,983	258
10556	Auriga	8	25 47.85	3,844	59 38 29.6	2,983	141
10557	Auriga	7	25 48.39	3,844	59 38 28.8	2,982	260
10558	Orion φ ²	5	25 55.33	3,283	80 49 47.2	2,972	206
10559	Auriga	8	25 55.44	4,013	54 29 20.6	2,972	314
10560	Auriga	7	5 25 55.46	+4,098	52 8 35.5	-2,972	309

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			h m s	s	° ' "	"	
10561	Orion	7½	5 25 57.70	+3,324	79° 6' 6.1	-2,968	311
10562	Auriga	9	25 59.32	4,315	46 43 41.4	2,966	142
10563	Orion	2	26 3.54	3,039	91 20 25.4	2,960	316
10564	Orion	3	26 3.77	3,039	91 20 28.9	2,959	50
10565	Camelopardus .	7½	26 4.99	5,065	33 32 33.7	2,958	380
10566	Auriga . . . . .	.	26 5.39	4,170	50 15 1.4	2,957	6
10567	Orion	8	26 5.89	2,936	95 46 8.8	2,957	264
10568	Taurus	8	26 11.18	3,427	74 53 20.6	2,949	262
10569	Auriga	7	26 13.14	4,097	52 10 23.6	2,945	309
10570	Auriga	8½	26 20.10	3,783	61 40 15.2	2,937	143
10571	Orion	7½	26 22.79	3,275	81 11 1.9	2,932	206
10572	Auriga	8	26 23.65	4,014	54 28 19.6	2,931	314
10573	Lepus	8	26 25.62	2,559	111 6 36.5	2,928	559
10574	Orion	8	26 26.25	2,895	97 32 6.6	2,927	266
10575	Orion	7	26 26.76	2,926	96 12 7.1	2,926	264
10576	Lepus	7	26 27.03	2,693	105 52 48.7	2,926	467
10577	Orion	9	26 31.35	3,245	82 27 55.5	2,920	42
10578	Auriga	8	26 31.87	3,857	59 14 26.7	2,918	260
10579	Auriga	9	26 32.54	4,557	41 39 41.4	2,918	376
10580	Camelopardus .	8	26 35.22	5,863	25 20 43.3	2,914	379
10581	Lepus	9	26 35.39	2,753	103 27 7.6	2,914	466
10582	Auriga	6	26 35.69	3,806	60 54 57.6	2,914	143
10583	Auriga	9	26 36.41	3,975	55 36 16.8	2,912	315
10584	Auriga . . . . .	.	26 36.62	4,161	50 29 12.1	2,912	6
10585	Orion	8	26 36.80	3,177	85 22 5.2	2,912	256
10586	Auriga	8	26 37.10	4,027	54 7 10.4	2,912	314
10587	Lepus	8	26 41.56	2,754	103 23 2.3	2,905	466
10588	Lepus	9	26 47.06	2,777	102 28 39.3	2,897	563
10589	Auriga	8	26 48.33	3,968	55 50 25.0	2,896	315
10590	Orion	8	26 48.89	2,936	95 47 11.0	2,895	264
10591	Orion	8½	26 52.20	3,208	84 1 2.8	2,890	40
10592	Auriga	9	26 55.02	3,868	58 54 11.4	2,885	141
10593	Camelopardus .	9½	26 57.62	6,444	21 24 59.7	2,882	376
10594	Auriga	9	26 58.82	3,967	55 51 56.1	2,880	315
10595	Camelopardus .	9	26 59.41	4,975	34 47 12.5	2,879	380
10596	Orion	8½	27 8.03	3,028	91 48 2.6	2,867	251
10597	Auriga	8½	27 9.42	3,977	55 34 37.9	2,865	315
10598	Lepus	8	27 10.03	2,586	110 5 7.9	2,864	319
10599	Auriga	27 11.56	4,168	50 18 48.3	2,862	6
10600	Orion	7½	5 27 11.63	+3,242	82 35 21.2	-2,862	42

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			h m s	s	° ' "	"	
10601	Orion	8½	5 27 13,16	+2,821	100 38 10,3	-2,860	268
10602	Lepus.....	8	27 13,39	2,691	105 57 32,2	2,859	467
10603	Lepus.....	9	27 17,04	2,790	101 56 18,9	2,854	563
10604	Taurus	8	27 18,69	3,542	70 21 39,2	2,852	252
10605	Taurus	6	27 20,65	3,709	64 13 43,4	2,848	145
10606	Camelopardus .	8½	27 26,62	4,943	35 15 5,2	2,840	380
10607	Taurus	7	27 26,70	3,595	68 21 44,7	2,840	36
10608	Orion	7½	27 27,00	3,034	91 33 17,1	2,839	251
10609	Orion	8	27 29,98	3,206	84 7 20,3	2,835	46
10610	Lepus.....	9	27 30,98	2,669	106 50 15,8	2,833	467
10611	Orion .....	.	27 34,91	3,089	89 9 41,6	2,828	47
10612	Orion	9	27 35,54	3,049	90 54 39,7	2,827	50
10613	Taurus	8	27 37,78	3,662	65 54 10,1	2,823	196
10614	Orion .....	.	27 37,92	3,089	89 8 32,5	2,823	47
10615	Auriga	6½	27 39,82	3,872	58 46 5,6	2,821	141
10616	Auriga	6½	27 40,58	3,872	58 46 5,6	2,819	260
10617	Orion	7	27 40,91	2,929	96 4 10,0	2,819	264
10618	Orion	9	27 43,75	3,264	81 37 47,7	2,815	42
10619	Taurus	8½	27 44,55	3,410	75 34 14,5	2,814	204
10620	Orion	8	27 44,70	2,954	94 59 0,2	2,814	258
10621	Auriga	8	27 48,22	4,107	51 56 5,6	2,808	309
10622	Lepus.....	6½	27 49,05	2,790	101 54 29,8	2,808	563
10623	Orion .....	.	27 52,92	3,113	88 8 32,7	2,802	47
10624	Auriga	8	27 54,36	3,799	61 8 46,4	2,800	143
10625	Auriga	8	27 57,83	4,302	47 3 35,5	2,796	142
10626	Auriga	8½	27 57,97	4,302	47 3 35,2	2,795	207
10627	Lepus.....	9	27 59,50	2,661	107 8 57,5	2,793	467
10628	Orion	7	28 1,19	2,955	94 56 45,3	2,790	258
10629	Orion	8	28 1,30	2,876	98 19 50,4	2,790	266
10630	Auriga	7½	28 2,06	3,956	56 12 13,5	2,789	315
10631	Taurus	8	28 2,60	3,671	65 35 9,7	2,788	196
10632	Orion	7½	28 5,47	3,040	91 17 56,7	2,784	251
10633	Taurus .....	.	28 6,27	3,764	62 20 13,5	2,783	143
10634	Lepus.....	8	28 10,75	2,591	109 51 54,5	2,776	319
10635	Orion	9	28 11,06	2,824	100 31 40,2	2,776	268
10636	Taurus	5	28 20,66	3,540	70 26 42,6	2,762	252
10637	Lepus.....	8	28 22,09	2,588	109 59 34,4	2,760	319
10638	Lepus.....	8½	28 22,12	2,586	110 3 41,1	2,760	319
10639	Auriga	7½	28 22,14	4,382	45 15 50,8	2,760	6
10640	Taurus	9	5 28 23,57	+3,417	75 19 31,3	-2,758	204

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			h m s	s	° ' "	"	
10641	Camelopardus .	8	5 28 23,88	+5,725	26 30 31,9	-2,757	379
10642	Orion	8	28 23,94	3,042	91 11 14,5	2,757	251
10643	Taurus	9	28 24,32	3,489	72 26 51,7	2,757	254
10644	Auriga	7½	28 24,66	3,868	58 56 2,0	2,756	141
10645	Lepus	8½	28 24,72	2,669	106 49 50,8	2,756	467
10646	Orion	8½	28 26,43	3,163	85 59 13,9	2,754	256
10647	Taurus	9½	28 27,03	3,691	64 51 25,5	2,753	145
10648	Auriga	7	28 32,31	4,015	54 29 19,0	2,746	314
10649	Orion	8½	28 34,46	3,297	80 16 33,3	2,743	206
10650	Auriga	8	28 35,72	4,108	51 55 16,7	2,740	309
10651	Auriga	7	28 36,03	3,815	60 38 0,3	2,739	260
10652	Orion	8	28 36,22	2,950	95 10 21,0	2,739	258
10653	Auriga	8	28 36,53	3,815	60 37 30,3	2,739	260
10654	Orion ω	5	28 37,64	3,162	86 11 15,9	2,737	256
10655	Orion	7	28 39,29	3,373	77 6 2,8	2,735	311
10656	Orion	7	28 39,40	3,373	77 6 2,8	2,735	313
10657	Auriga	8½	28 44,05	4,521	42 24 0,8	2,729	376
10658	Orion	8	28 46,26	3,040	91 17 44,9	2,725	251
10659	Auriga	9	28 49,62	4,316	46 44 25,5	2,720	142
10660	Taurus	9½	28 50,71	3,430	74 46 15,1	2,718	262
10661	Taurus	8½	28 50,90	3,666	65 46 15,3	2,718	196
10662	Taurus	7½	28 51,51	3,430	74 46 15,1	2,717	262
10663	Orion	7	28 53,94	2,914	96 42 3,1	2,714	264
10664	Taurus	9½	28 59,46	3,526	70 59 40,2	2,706	252
10665	Auriga	7½	29 1,88	4,246	48 24 48,5	2,702	207
10666	Auriga	7	29 4,27	4,108	51 55 5,8	2,699	309
10667	Orion	8	29 5,34	2,869	98 35 49,5	2,698	266
10668	Taurus	8½	29 7,65	3,426	74 55 55,4	2,694	262
10669	Taurus	9	29 9,19	3,730	63 30 13,6	2,692	145
10670	Lepus	8½	29 9,57	2,728	104 28 2,6	2,691	466
10671	Lepus	9	29 9,76	2,728	104 27 56,1	2,691	316
10672	Auriga	8	29 11,38	3,222	48 59 25,0	2,688	207
10673	Orion	8	29 11,74	2,946	95 19 11,6	2,687	258
10674	Taurus	8½	29 11,87	3,480	72 48 26,2	2,687	254
10675	Orion d	5½	29 12,82	2,899	97 20 9,0	2,686	264
10676	Orion d	5	29 13,05	2,899	97 20 5,8	2,686	266
10677	Orion	8	29 19,88	3,086	89 17 21,4	2,676	50
10678	Orion	9	29 24,79	3,088	89 12 56,2	2,669	50
10679	Taurus	9½	29 26,02	3,720	63 51 34,0	2,668	145
10680	Lepus	8	5 29 27,09	+2,762	103 4 13,9	-2,667	563

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10681	Lepus.....	8	5 29 27,14	+2,762	103 4 14,2	-2,666	466
10682	Orion.....	8½	29 27,99	3,102	88 37 10,5	2,665	47
10683	Auriga.....	8½	29 28,14	4,029	54 44 3,3	2,665	314
10684	Taurus.....	8½	29 28,91	3,764	62 20 43,1	2,663	143
10685	Orion.....	9	29 30,15	3,198	84 27 18,9	2,662	46
10686	Taurus.....	9	29 32,52	3,721	63 50 19,0	2,659	145
10687	Camelopardus.	7½	29 37,38	5,248	31 19 10,7	2,651	381
10688	Taurus.....	8	29 37,52	3,626	67 14 25,9	2,651	32
10689	Camelopardus.	8½	29 39,67	5,265	31 7 30,8	2,648	381
10690	Camelopardus.	8	29 39,87	5,036	33 59 13,7	2,647	380
10691	Lepus.....	8½	29 40,08	2,766	102 53 58,2	2,647	563
10692	Lepus.....	9	29 40,11	2,766	102 54 1,6	2,647	466
10693	Auriga.....	9	29 40,48	3,939	56 44 28,2	2,646	315
10694	Lepus.....	8	29 40,88	2,567	110 44 56,8	2,646	559
10695	Lepus.....	8½	29 41,40	2,579	110 18 7,0	2,645	319
10696	Auriga.....	8	29 42,57	3,827	60 15 52,3	2,643	260
10697	Taurus.....	8½	29 42,68	3,665	65 47 55,7	2,643	196
10698	Lepus.....	7½	29 42,78	2,663	107 2 17,2	2,643	467
10699	Taurus.....	8	29 44,54	3,485	72 35 42,1	2,640	254
10700	Auriga.....	8½	29 46,69	4,104	52 1 49,0	2,637	309
10701	Auriga.....	9	29 47,27	4,002	54 52 54,5	2,637	314
10702	Taurus.....	9	29 47,63	3,529	70 53 45,4	2,636	252
10703	Auriga.....	7	29 49,45	3,937	56 47 55,3	2,633	315
10704	Auriga.....	8	29 50,30	4,325	46 33 10,8	2,632	142
10705	Orion.....	8	29 51,55	3,022	92 2 53,9	2,630	251
10706	Lepus.....	8	29 53,32	2,659	107 11 40,9	2,628	467
10707	Orion.....	7	29 54,38	3,155	86 20 14,9	2,626	256
10708	Taurus.....	9	29 55,24	3,617	67 33 45,6	2,625	36
10709	Taurus.....	8	29 55,61	3,617	67 33 47,6	2,625	32
10710	Taurus.....	8	29 56,17	3,532	70 45 32,2	2,623	252
10711	Taurus.....	9	29 57,11	3,726	63 40 37,1	2,622	145
10712	Taurus.....	9	29 58,20	3,535	70 40 32,2	2,621	252
10713	Taurus.....	6	29 58,64	3,620	67 27 14,4	2,620	32
10714	Taurus.....	9	29 58,78	3,620	67 27 16,5	2,620	36
10715	Orion.....	7	30 2,22	2,840	99 49 42,2	2,615	268
10716	Taurus.....	8	30 6,65	3,428	74 53 24,6	2,608	262
10717	Lepus.....	8½	30 7,07	2,581	110 14 18,6	2,608	319
10718	Orion.....	8	30 7,27	3,185	85 2 22,2	2,608	46
10719	Auriga.....	9	30 8,87	3,860	59 12 34,9	2,605	141
10720	Taurus.....	8	5 30 9,19	+3,453	73 52 53,5	-2,605	262

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10721	Auriga	9	5 30 13,62	+4,299	47 9 21,5	-2,598	142
10722	Camelopardus .	7½	30 14,47	5,640	27 17 22,1	2,597	379
10723	Auriga	9	30 15,19	4,589	41 7 14,4	2,596	377
10724	Auriga	8½	30 19,74	4,111	51 51 30,9	2,590	309
10725	Lepus.....	8½	30 20,06	2,640	107 57 26,7	2,589	318
10726	Lepus.....	7	30 27,67	2,639	107 58 18,8	2,578	318
10727	Lepus.....	8	30 28,16	2,640	107 57 8,7	2,577	318
10728*	Lepus.....	9	30 31,68	2,639	107 59 26,9	2,572	318
10729	Lepus.....	8	30 35,89	2,690	105 59 23,8	2,561	467
10730	Auriga	7½	30 39,71	3,808	60 54 37,0	2,561	260
10731	Orion ζ	2	30 40,19	3,022	92 3 35,2	2,561	251
10732	Orion ζ	2	30 40,36	3,022	92 3 37,8	2,560	258
10733	Orion ζ	2	30 41,17	3,022	92 3 36,8	2,559	264
10734	Orion ε	5	30 41,55	3,041	91 14 46,0	2,558	50
10735	Taurus	8	30 42,66	3,695	64 44 56,3	2,557	145
10736	Taurus	7½	30 43,07	3,523	71 7 28,8	2,556	252
10737	Orion 7½	7½	30 49,97	3,075	89 46 52,1	2,546	50
10738	Orion 8	8	30 53,78	2,889	97 46 36,6	2,540	266
10739	Taurus	7	30 54,69	3,615	67 38 56,4	2,539	36
10740	Taurus	8	30 56,15	3,615	67 39 3,0	2,537	271
10741	Taurus	8	30 57,00	3,621	67 26 15,8	2,536	271
10742	Taurus .....	.	30 58,00	3,621	67 26 4,2	2,534	36
10743	Orion 8	8	31 0,98	2,978	93 57 34,6	2,530	258
10744	Orion 8½	8½	31 1,45	2,823	100 33 2,9	2,529	268
10745	Taurus	9	31 4,01	3,622	67 24 36,8	2,525	271
10746	Orion 8	8	31 6,15	2,983	93 44 54,1	2,523	258
10747	Taurus	7	31 8,07	3,523	71 7 49,9	2,520	252
10748	Lepus..... 7½	7½	31 9,90	2,572	110 33 19,2	2,517	319
10749	Lepus..... 9	9	31 10,40	2,572	110 33 23,2	2,517	319
10750	Auriga 8	8	31 10,80	4,121	51 36 17,8	2,516	309
10751	Taurus 8	8	31 10,84	3,693	64 49 12,5	2,516	145
10752	Taurus 6	6	31 10,85	3,635	66 54 16,1	2,516	32
10753	Taurus 6	6	31 11,40	3,635	66 54 14,6	2,515	315
10754	Auriga 8½	8½	31 11,71	3,895	58 6 3,2	2,515	141
10755	Auriga 8½	8½	31 11,88	4,087	52 31 33,8	2,514	309
10756	Auriga 9	9	31 12,15	4,087	52 31 34,0	2,514	208
10757	Orion 9	9	31 14,05	2,824	100 29 30,8	2,511	268
10758	Orion 9	9	31 16,10	3,183	85 7 23,0	2,508	46
10759	Taurus	31 17,89	3,751	62 48 45,2	2,505	143
10760	Lepus..... 9	9	5 31 18,42	+2,675	106 33 18,7	-2,505	467

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10761	Taurus	7½	5 31 18,64	+3,698	64 40 17,4	-2,504	145
10762	Auriga	9	31 20,10	3,817	60 36 20,9	2,502	260
10763	Orion	7	31 20,82	2,823	100 31 27,0	2,501	268
10764	Orion	9	31 21,41	3,262	81 44 14,8	2,500	42
10765	Orion	8½	31 23,91	2,879	98 10 10,0	2,497	266
10766	Taurus	9	31 23,98	3,511	71 35 28,6	2,497	254
10767	Auriga	8½	31 25,05	3,903	57 51 52,2	2,496	141
10768	Orion	8	31 26,20	3,314	79 34 17,1	2,494	206
10769	Camelopardus .	7½	31 26,48	6,419	21 36 44,1	2,494	376
10770	Lepus.....	8	31 28,04	2,779	102 20 35,9	2,491	563
10771	Auriga	8½	31 29,06	4,573	41 25 54,6	2,490	377
10772	Auriga	7½	31 33,45	4,382	45 19 5,9	2,483	6
10773	Auriga	8	31 34,27	4,382	45 19 7,5	2,482	142
10774	Taurus	7½	31 37,22	3,402	75 55 49,4	2,477	204
10775	Taurus	7	31 37,28	3,402	75 55 51,8	2,477	313
10776	Orion	7½	31 38,67	3,000	93 0 34,8	2,476	251
10777	Orion	8	31 38,96	2,980	93 50 39,5	2,475	258
10778	Orion	8½	31 40,52	2,906	97 2 54,8	2,473	264
10779	Auriga	8	31 43,12	4,001	54 56 29,9	2,469	314
10780	Auriga	9	31 45,23	3,873	58 47 58,2	2,466	141
10781	Auriga	8	31 45,42	4,000	54 58 47,9	2,466	314
10782	Taurus	8½	31 47,17	3,764	62 22 31,1	2,463	143
10783	Auriga	8½	31 47,71	4,520	43 27 56,1	2,462	377
10784	Auriga	8	31 48,31	4,199	49 35 40,4	2,461	6
10785	Orion	8	31 52,61	3,122	87 44 33,0	2,456	48
10786	Taurus	9	31 55,70	3,465	73 24 30,5	2,451	262
10787	Auriga	8½	31 55,86	3,803	61 5 19,4	2,450	260
10788	Auriga	8½	31 58,14	4,351	46 0 16,3	2,447	142
10789	Orion	8½	32 2,08	3,015	92 22 18,3	2,442	251
10790	Lepus.....	8	32 2,58	2,513	112 45 47,5	2,441	321
10791	Lepus.....	7½	32 3,72	2,576	110 24 40,4	2,439	319
10792	Taurus	9	32 5,32	3,515	71 27 36,6	2,436	254
10793	Auriga	8	32 7,86	4,090	52 26 33,2	2,433	208
10794	Auriga	7½	32 8,08	4,090	52 26 31,8	2,433	309
10795	Orion	6	32 8,23	3,101	88 38 2,9	2,433	48
10796	Orion	8½	32 16,16	3,313	79 36 19,5	2,421	206
10797	Auriga	8	32 16,37	4,078	52 47 13,4	2,421	208
10798	Auriga	7½	32 16,70	4,078	52 46 17,1	2,420	309
10799	Orion	9	32 17,62	3,189	84 52 15,1	2,419	46
10800	Camelopardus .	9	5 32 18,49	+5,926	24 55 36,9	-2,417	379

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10801	Orion	8½	5 32 19,00	+3,067	90° 7' 29,5	-2,417	50
10802	Taurus	8	32 19,85	3,683	65 11 16,4	2,416	145
10803	Taurus	8	32 31,52	3,520	71 16 11,3	2,399	253
10804	Taurus	8	32 32,24	3,520	71 16 11,6	2,397	254
10805	Auriga	7	32 33,02	3,874	58 46 33,6	2,396	141
10806	Lepus	7½	32 34,08	2,777	102 25 21,2	2,395	563
10807	Lepus	7	32 34,30	2,703	105 26 54,1	2,395	467
10808	Taurus	8½	32 38,67	3,512	71 34 38,8	2,389	254
10809	Lepus	8	32 41,01	2,643	107 49 41,4	2,385	318
10810	Orion	8	32 42,63	3,335	78 42 0,7	2,383	311
10811	Orion	8	32 44,63	3,192	84 44 45,1	2,380	46
10812	Orion	9	32 45,41	2,877	98 14 30,6	2,379	266
10813	Auriga	9	32 47,62	3,838	59 56 3,8	2,375	260
10814	Auriga	8	32 48,00	3,812	60 48 6,5	2,375	260
10815	Lepus	7½	32 50,10	2,696	105 44 2,6	2,372	467
10816	Orion	9½	32 50,18	3,253	82 7 44,3	2,372	42
10817	Taurus	9	32 51,55	3,628	67 11 27,8	2,370	36
10818	Taurus	8	32 53,13	3,565	69 33 42,9	2,368	253
10819	Auriga	9	32 53,51	4,488	43 6 25,6	2,367	377
10820	Lepus	7½	32 55,70	2,761	103 4 48,6	2,363	316
10821	Auriga	7½	32 56,42	4,284	47 33 49,2	2,363	207
10822	Orion	7½	33 2,68	3,030	91 43 2,1	2,354	251
10823	Taurus	7½	33 5,09	3,425	75 2 10,5	2,351	262
10824	Orion	8½	33 9,22	3,160	86 6 0,3	2,344	256
10825	Orion	8	33 9,74	2,818	100 44 12,2	2,344	268
10826	Orion	7	33 11,57	2,909	96 54 18,9	2,341	264
10827	Lepus	9	33 11,68	2,662	107 7 32,9	2,341	467
10828	Lepus	7½	33 13,25	2,793	101 45 3,3	2,338	563
10829	Taurus	8	33 13,98	3,689	64 58 51,6	2,337	145
10830	Taurus	8½	33 14,29	3,689	64 58 46,8	2,337	196
10831	Taurus	7½	33 16,55	3,371	77 12 41,7	2,334	311
10832	Auriga	6½	33 17,44	4,476	43 22 15,6	2,332	6
10833	Auriga	9	33 18,18	4,107	52 0 37,3	2,331	208
10834	Taurus	7	33 21,91	3,450	74 0 50,5	2,326	262
10835	Lepus	6½	33 24,44	2,647	107 38 20,4	2,322	318
10836	Taurus	7½	33 27,74	3,517	71 23 45,9	2,317	254
10837	Taurus	7½	33 28,57	3,360	77 41 9,4	2,316	311
10838	Taurus	8	33 31,77	3,712	64 11 6,0	2,312	145
10839	Orion	9	33 35,45	3,269	81 27 45,5	2,306	42
10840	Taurus	8	5 33 41,30	+3,564	69 35 22,0	-2,298	253

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10841	Taurus	9	5 33 42,51	+3,665	65 52 15,3	-2,296	196
10842	Taurus	7	33 46,39	3,371	77 12 36,1	2,291	204
10843	Taurus	6½	33 46,65	3,371	77 12 36,8	2,291	313
10844	Taurus	8	33 47,16	3,652	66 20 52,7	2,290	315
10845	Orion	8½	33 49,36	2,883	97 59 24,1	2,287	266
10846	Lepus	5	33 49,57	2,520	112 28 55,3	2,287	321
10847	Lepus	6	33 49,68	2,520	112 28 51,0	2,286	559
10848	Auriga	9	33 50,16	4,111	51 55 18,3	2,285	208
10849	Taurus	8	33 53,13	3,597	68 21 55,4	2,281	271
10850	Taurus	8½	33 53,74	3,706	64 23 48,3	2,280	145
10851	Orion	7½	33 56,20	3,168	85 45 40,9	2,276	256
10852	Taurus	8½	33 56,23	3,516	71 26 27,0	2,276	254
10853	Lepus	8½	33 58,51	2,579	110 15 27,5	2,273	319
10854	Auriga	8	34 1,23	4,405	44 51 7,2	2,269	6
10855	Auriga	8	34 1,44	4,405	44 51 6,2	2,269	142
10856	Taurus	7½	34 2,47	3,586	68 46 40,8	2,268	271
10857	Taurus	8	34 4,79	3,519	71 18 20,0	2,264	254
10858	Taurus	8½	34 5,16	3,625	67 19 17,6	2,263	36
10859	Taurus	8	34 5,96	3,585	68 48 31,9	2,262	271
10860	Taurus	8	34 7,76	3,369	77 18 32,1	2,259	311
10861	Taurus	8	34 7,97	3,369	77 18 27,5	2,259	204
10862	Taurus	8	34 8,38	3,369	77 18 26,0	2,258	313
10863	Orion	8	34 11,23	3,156	86 16 0,9	2,254	256
10864	Auriga	8	34 15,64	3,886	58 25 49,9	2,248	141
10865	Orion	8	34 17,22	3,215	83 44 51,2	2,246	46
10866	Taurus	•	34 21,50	3,521	71 14 4,0	2,237	254
10867	Auriga	8	34 24,48	3,817	60 39 48,8	2,236	260
10868	Auriga	8½	34 28,06	4,106	52 3 56,7	2,230	208
10869	Orion	6½	34 28,47	3,161	86 5 17,6	2,229	256
10870	Camelopardus .	9½	34 33,54	6,271	22 32 45,4	2,222	376
10871	Auriga	6½	34 34,22	4,003	54 55 54,4	2,221	314
10872	Auriga	8	34 34,67	3,792	61 28 2,5	2,221	143
10873	Orion	9	34 36,28	2,910	96 51 13,1	2,218	264
10874	Lepus	6	34 36,74	2,621	108 39 32,0	2,218	318
10875	Auriga	7½	34 39,07	3,824	60 25 41,7	2,214	260
10876	Orion	8½	34 39,28	3,268	81 30 48,2	2,214	42
10877	Orion	8	34 41,71	3,214	83 47 53,4	2,211	46
10878	Taurus	9	34 43,82	3,711	64 14 42,6	2,208	145
10879	Lepus	8½	34 44,36	2,578	110 17 22,9	2,207	319
10880	Orion	8	5 34 49,58	+2,833	100 6 31,5	-2,199	268

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10881	Orion	7½	5 34 51,00	+2,907	96 57 46,5	-2,197	264
10882	Taurus	9	34 53,87	3,714	64 7 51,6	2,193	145
10883	Taurus	8	34 53,88	3,556	69 55 10,7	2,193	253
10884	Orion	•	34 55,15	2,887	97 50 22,9	2,191	266
10885	Auriga	8	34 57,42	4,163	50 33 10,7	2,188	■
10886	Lepus	8	35 2,42	2,574	110 27 17,2	2,181	319
10887	Taurus	7½	35 4,02	3,559	69 48 35,7	2,179	253
10888	Orion	8	35 6,65	2,958	94 47 39,8	2,175	258
10889	Taurus	8½	35 8,87	3,601	68 12 42,5	2,172	32
10890	Lepus	7½	35 9,67	2,592	109 45 12,1	2,170	319
10891	Taurus	•	35 10,77	3,619	67 33 34,4	2,169	36
10892	Taurus	•	35 11,05	3,363	77 34 13,6	2,168	311
10893	Taurus	8	35 12,18	3,763	62 27 9,6	2,167	143
10894	Taurus	7½	35 12,67	3,703	64 31 24,0	2,166	145
10895	Taurus	6½	35 15,67	3,444	74 16 10,5	2,162	262
10896	Lepus	6	35 17,12	2,545	111 31 40,2	2,160	321
10897	Lepus	7½	35 18,09	2,628	108 22 56,4	2,158	318
10898	Auriga	8	35 19,73	3,851	59 33 4,4	2,156	141
10899	Auriga	6	35 19,81	4,150	50 54 12,5	2,156	6
10900	Lepus	6	35 20,05	2,550	111 21 50,0	2,155	321
10901	Taurus	9	35 22,55	3,630	67 9 57,0	2,152	196
10902	Auriga	9	35 24,99	4,400	44 59 32,2	2,148	6
10903	Auriga	8	35 25,16	4,400	44 59 24,8	2,148	142
10904	Lepus	8	35 25,26	2,766	102 52 20,7	2,148	316
10905	Lepus	8	35 25,32	2,766	102 52 20,5	2,148	270
10906	Lepus	7½	35 26,74	2,595	109 39 53,5	2,145	319
10907	Auriga	9	35 29,90	3,872	58 52 36,9	2,141	141
10908	Auriga	7½	35 33,94	4,133	51 20 42,5	2,134	208
10909	Orion	9	35 34,48	3,324	79 9 27,0	2,134	206
10910	Orion	8½	35 37,49	3,327	79 2 15,8	2,129	206
10911	Taurus	7½	35 39,35	3,678	65 23 57,0	2,126	315
10912	Taurus	8½	35 41,04	3,678	65 25 32,0	2,124	315
10913	Taurus	8	35 42,03	3,576	69 8 42,2	2,122	36
10914	Taurus	7½	35 42,32	3,576	69 8 46,7	2,122	271
10915	Taurus	8½	35 42,34	3,518	71 21 30,4	2,122	254
10916	Taurus	8	35 42,65	3,576	69 8 46,1	2,121	253
10917	Taurus	8	35 46,55	3,755	62 43 9,1	2,116	143
10918	Taurus	6½	35 46,95	3,493	72 21 36,5	2,115	254
10919	Taurus	6	35 49,69	3,411	75 35 53,1	2,112	313
10920	Taurus	6	5 35 50,05	+3,411	75 35 50,5	-2,111	204

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			h m s	s	° ' "	"	
10921	Orion	•	5 35 50.99	+3,103	88° 33' 6.7	-2,110	48
10922	Lepus	6½	35 52.33	2,580	110 13 33.6	2,109	319
10923	Auriga	8	35 53.94	4,132	51 23 8.7	2,106	208
10924	Camelopardus .	9½	35 56.88	6,362	21 59 36.8	2,101	376
10925	Taurus	7	35 59.00	3,359	77 44 48.0	2,098	311
10926	Auriga	9	35 59.20	4,575	41 27 53.0	2,098	377
10927	Lepus	9	36 0.24	2,705	105 20 3.9	2,096	467
10928	Taurus	8½	36 3.33	3,442	74 21 53.7	2,091	262
10929	Auriga	8	36 3.38	3,971	55 52 23.0	2,091	209
10930	Orion	9	36 6.02	2,814	100 51 30.4	2,089	268
10931	Lepus	7	36 6.93	2,519	112 29 53.4	2,087	559
10932	Taurus	8	36 7.87	3,580	69 1 23.6	2,086	271
10933	Lepus	γ •	36 7.94	2,518	112 31 26.6	2,086	559
10934	Taurus	9	36 8.09	3,580	69 1 24.3	2,085	36
10935	Auriga	8½	36 8.21	3,822	60 30 6.9	2,085	260
10936	Orion	6½	36 8.28	2,968	94 21 22.0	2,085	258
10937	Taurus	7	36 12.09	3,576	69 8 43.6	2,079	32
10938	Orion	8½	36 13.63	3,245	82 30 17.8	2,077	42
10939	Auriga	8½	36 15.83	4,315	46 53 25.7	2,074	142
10940	Orion	7½	36 15.93	3,095	88 54 45.7	2,073	48
10941	Orion	8	36 16.31	3,130	87 22 52.3	2,073	256
10942	Orion	7	36 16.40	3,095	88 54 48.1	2,073	50
10943	Orion	8	36 16.55	2,974	94 6 28.5	2,073	258
10944	Auriga	9	36 16.76	4,394	45 7 17.3	2,072	142
10945	Taurus	8½	36 18.90	3,675	65 32 27.3	2,069	315
10946	Auriga	9½	36 21.51	4,581	41 20 36.0	2,065	377
10947	Taurus	8½	36 21.59	3,425	75 3 16.4	2,065	262
10948	Taurus	6	36 22.40	3,397	76 11 11.5	2,065	204
10949	Lepus	6½	36 22.57	2,539	111 45 7.4	2,064	321
10950	Taurus	6	36 22.89	3,397	76 11 12.0	2,064	313
10951	Taurus	6½	36 26.01	3,575	69 12 47.8	2,059	36
10952	Taurus	5½	36 26.13	3,575	69 12 49.8	2,059	32
10953	Taurus	6½	36 26.29	3,575	69 12 54.9	2,059	271
10954	Taurus	7	36 26.58	3,575	69 12 52.4	2,058	253
10955	Taurus	9	36 28.07	3,574	69 14 10.4	2,056	253
10956	Taurus	9	36 28.29	3,574	69 14 1.9	2,056	271
10957	Orion	9	36 30.05	2,974	94 5 53.5	2,053	258
10958	Auriga	8	36 30.70	3,827	60 21 23.1	2,052	260
10959	Lepus	9	36 33.22	2,710	105 8 11.9	2,048	467
10960	Taurus	9	5 36 33.89	+3,487	72 35 20.9	-2,047	254

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			h m s	s	° ' "	"	
10961	Auriga	9½	5 36 39.37	+3,930	57 6 35.0	-2,040	209
10962	Auriga	9	36 40.87	4,346	46 11 2.3	2,037	142
10963	Auriga	9½	36 42.57	3,930	57 6 35.1	2,035	209
10964	Auriga	8½	36 43.61	4,087	52 35 54.9	2,033	208
10965	Taurus	8	36 44.72	3,706	64 25 57.6	2,032	145
10966	Taurus	4½	36 44.75	3,676	65 30 51.4	2,032	315
10967	Taurus	5½	36 45.18	3,676	65 30 47.5	2,032	145
10968	Taurus	6	36 45.18	3,676	65 30 51.0	2,032	196
10969	Taurus	7	36 48.91	3,361	77 39 58.0	2,026	311
10970	Orion	8½	36 50.77	2,906	97 1 51.3	2,023	264
10971	Taurus	8	36 50.85	3,485	72 39 1.1	2,023	254
10972	Auriga	7	36 55.91	3,892	58 17 35.9	2,016	141
10973	Orion	7	36 56.49	3,163	85 59 4.3	2,015	256
10974	Orion	8	37 3.69	3,254	82 7 24.6	2,004	42
10975	Taurus .....	.	37 5.15	3,761	62 31 36.5	2,002	143
10976	Orion	8	37 5.79	3,135	87 10 41.3	2,001	256
10977	Taurus	8	37 13.64	3,582	68 56 36.7	1,990	36
10978	Auriga	9	37 14.04	3,904	57 55 4.7	1,989	141
10979	Taurus	8	37 15.38	3,582	68 56 42.0	1,987	271
10980	Orion	7	37 15.83	3,218	83 37 40.4	1,986	46
10981	Taurus	7	37 15.96	3,582	68 56 38.8	1,986	32
10982	Auriga	9	37 23.08	4,484	43 15 44.2	1,976	6
10983	Auriga	5½	37 23.84	4,081	52 46 5.3	1,975	208
10984	Auriga	5	37 25.14	4,081	52 46 10.1	1,973	314
10985	Orion	8½	37 32.81	2,937	95 40 43.8	1,962	264
10986	Taurus	9	37 33.11	3,584	68 46 11.8	1,962	271
10987	Lepus	7½	37 34.13	2,498	113 13 40.8	1,960	321
10988	Auriga	8½	37 34.24	3,869	59 0 48.3	1,960	260
10989	Taurus	7½	37 36.08	3,350	78 4 59.7	1,957	311
10990	Auriga	5	37 37.89	4,150	50 55 35.0	1,954	6
10991	Orion	8	37 41.14	3,244	82 31 44.7	1,950	42
10992	Orion	9	37 41.41	3,252	82 11 44.1	1,950	43
10993	Orion	8½	37 42.01	2,818	100 42 53.4	1,949	268
10994	Orion	8	37 42.69	3,164	85 55 44.3	1,947	256
10995	Orion	9	37 51.01	3,107	88 22 21.4	1,936	48
10996	Orion	8½	37 52.50	3,105	88 28 12.6	1,933	48
10997	Auriga	9	37 53.54	3,905	57 52 34.9	1,932	141
10998	Lepus	ζ	37 53.74	2,715	104 54 26.3	1,932	563
10999	Lepus	ζ	37 53.79	2,715	104 54 28.9	1,932	467
11000	Lepus	ζ	5 37 54.11	+2,715	104 54 22.0	-1,932	316

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11001	Orion	8½	5 37 54.69	+3,252	82 12 6.1	-1,931	43
11002	Auriga	9	37 59.70	4,136	51 17 45.4	1,923	208
11003	Orion	7	38 2.21	2,820	100 36 58.2	1,920	268
11004	Orion	8½	38 2.23	2,941	96 31 1.2	1,920	264
11005	Orion	8	38 3.60	3,014	92 22 44.1	1,917	251
11006	Lepus.....	8	38 3.64	2,669	106 44 3.4	1,917	467
11007	Auriga	9½	38 3.75	4,223	49 6 17.2	1,917	207
11008	Taurus	8	38 7.12	3,761	62 34 3.9	1,913	143
11009	Lepus.....	8½	38 7.50	2,556	111 6 22.6	1,912	319
11010	Lepus.....	7	38 11.01	2,680	106 19 20.3	1,906	467
11011	Auriga	8	38 12.83	4,325	46 41 32.3	1,904	142
11012	Taurus	8	38 14.15	3,765	62 24 20.9	1,902	143
11013	Orion x	3	38 15.41	2,841	99 44 1.6	1,900	317
11014	Orion	8½	38 15.48	3,050	90 50 23.1	1,900	50
11015	Orion x	3	38 15.68	2,841	99 45 8.8	1,900	563
11016	Orion x	3	38 16.33	2,841	99 45 9.0	1,899	270
11017	Orion x	3	38 16.48	2,841	99 45 4.2	1,899	268
11018	Orion x	3	38 16.84	2,841	99 44 57.4	1,898	251
11019	Taurus	6	38 18.99	3,367	77 25 32.9	1,895	311
11020	Orion	9	38 21.60	3,530	70 54 32.6	1,891	253
11021	Taurus	6	38 22.28	3,774	62 6 27.6	1,890	143
11022	Taurus	8	38 22.91	3,718	64 1 3.0	1,889	145
11023	Auriga	7	38 24.02	3,903	57 56 51.2	1,888	141
11024	Orion	7½	38 24.75	2,873	98 24 15.6	1,887	266
11025	Lepus.....	7½	38 25.76	2,705	105 20 9.1	1,886	467
11026	Auriga	7½	38 26.87	4,128	51 30 32.7	1,884	208
11027	Orion	8½	38 28.92	3,085	89 21 14.2	1,880	50
11028	Taurus	9	38 31.32	3,450	74 3 41.0	1,877	262
11029	Taurus	9	38 32.71	3,422	75 11 42.2	1,875	262
11030	Orion	8½	38 33.04	3,524	71 7 42.9	1,875	253
11031	Orion	8	38 33.68	3,166	85 51 51.3	1,874	256
11032	Orion	8	38 34.96	3,026	91 51 57.1	1,872	251
11033	Orion	8½	38 35.52	2,872	98 27 47.9	1,871	266
11034	Orion	8½	38 36.47	2,909	96 53 30.4	1,869	264
11035	Orion	8	38 37.93	3,033	91 34 51.5	1,867	251
11036	Taurus	9	38 42.60	3,695	64 50 40.8	1,861	145
11037	Orion	9	38 43.67	3,170	85 42 19.2	1,859	256
11038	Lepus.....	8	38 44.36	2,542	111 37 35.6	1,858	321
11039	Orion	8½	38 48.84	2,932	95 54 27.7	1,852	264
11040	Auriga	8	5 38 49.80	+3,866	59 6 51.7	-1,850	260

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11041	Taurus	8½	5 38 51.45	+3,501	72 2 53.1	-1,848	254
11042	Auriga	9	38 51.56	3,907	57 49 57.2	1,848	141
11043	Auriga	8½	38 51.70	3,860	59 19 9.9	1,848	260
11044	Taurus	9	38 52.42	3,619	67 34 5.0	1,847	272
11045	Auriga	9	38 56.78	4,365	45 47 31.9	1,841	142
11046	Orion	9	38 59.58	3,557	69 54 26.7	1,836	253
11047	Orion	7	39 2.00	3,300	80 12 16.9	1,832	206
11048	Taurus	9	39 3.91	3,659	66 8 30.4	1,830	315
11049	Taurus	6	39 6.15	3,407	75 45 59.1	1,827	313
11050	Orion	9	39 15.91	2,829	100 14 4.2	1,812	268
11051	Taurus	7½	39 25.45	3,411	75 37 41.9	1,799	313
11052	Auriga	7	39 25.76	3,963	56 9 3.3	1,798	209
11053	Taurus	8½	39 26.86	3,496	72 13 54.4	1,797	254
11054	Taurus	7½	39 29.93	3,401	76 1 29.4	1,792	313
11055	Auriga	8½	39 29.97	3,822	60 33 3.0	1,792	260
11056	Taurus	8½	39 30.87	3,639	66 50 21.0	1,791	315
11057	Taurus	9	39 32.77	3,631	67 9 6.5	1,787	196
11058	Taurus	8	39 33.01	3,631	67 9 11.3	1,787	315
11059	Lepus	8	39 33.16	2,582	110 6 9.5	1,787	319
11060	Lepus	7½	39 33.47	2,728	104 23 22.9	1,786	317
11061	Orion	7	39 37.76	3,171	85 38 46.3	1,781	256
11062	Taurus	7	39 41.53	3,644	66 41 4.0	1,775	315
11063	Orion	7½	39 44.62	3,512	71 37 31.9	1,770	254
11064	Orion	8½	39 46.10	3,184	85 6 47.4	1,768	46
11065	Auriga	7½	39 51.14	4,083	52 43 48.1	1,761	208
11066	Auriga	6½	39 51.92	4,083	52 43 50.4	1,760	314
11067	Orion	8	39 54.67	3,339	78 34 14.8	1,756	311
11068	Orion	8½	39 56.19	3,143	86 52 11.4	1,754	256
11069	Auriga	9	40 2.35	4,599	41 3 16.4	1,745	377
11070	Orion	8	40 3.19	3,540	70 32 47.7	1,744	253
11071	Camelopardus .	8	40 4.92	6,204	23 1 46.0	1,741	376
11072	Auriga	9	40 5.55	4,384	45 23 30.1	1,740	142
11073	Orion	7½	40 6.25	3,115	88 2 39.0	1,740	48
11074	Auriga	9½	40 7.27	4,090	52 33 36.1	1,738	208
11075	Auriga	7½	40 7.72	4,040	53 55 56.4	1,737	314
11076	Auriga	8½	40 13.88	3,810	60 57 12.5	1,728	260
11077	Auriga	9	40 14.53	3,906	57 53 0.8	1,727	141
11078	Orion	9	40 15.79	3,277	81 10 12.5	1,726	43
11079	Orion	9	40 16.24	3,108	88 22 11.7	1,725	48
11080	Orion	8½	5 40 16.34	+2,930	95 58 4.4	-1,725	264

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			h m s	s	° ′ ″	″	
11081	Taurus	5 40 17,36	+3,698	64 46 21,4	-1,723	145
11082	Lepus.....	8½	40 17,62	2,634	108 7 51,7	1,723	318
11083	Auriga	9	40 28,09	3,910	57 46 39,8	1,708	141
11084	Orion	9	40 30,42	3,035	91 29 48,8	1,704	251
11085	Taurus	8½	40 31,28	3,441	74 26 41,9	1,703	262
11086	Lepus.....	6	40 31,42	2,724	104 33 12,9	1,702	317
11087	Lepus.....	7½	40 32,05	2,598	109 28 29,1	1,702	319
11088	Orion	7	40 32,92	3,549	70 11 54,4	1,700	253
11089	Orion	8	40 40,76	3,546	70 18 34,6	1,690	253
11090	Taurus	5	40 45,74	3,765	62 26 58,9	1,682	143
11091	Lepus.....	8½	40 59,24	2,700	105 30 59,3	1,663	467
11092	Taurus	6	41 0,53	3,405	75 53 31,5	1,661	313
11093	Auriga	8	41 3,10	4,336	46 27 47,2	1,657	142
11094	Taurus	8½	41 8,23	3,710	64 19 19,4	1,649	145
11095	Taurus	8	41 10,78	3,692	64 59 10,5	1,645	309
11096	Taurus	8½	41 15,19	3,706	64 28 9,6	1,639	145
11097	Auriga	8½	41 15,75	4,532	42 20 16,8	1,639	377
11098	Taurus	8	41 15,96	3,594	68 31 17,6	1,638	272
11099	Taurus	8	41 19,31	3,669	65 46 20,4	1,633	315
11100	Lepus.....	8½	41 20,57	2,596	110 24 51,3	1,631	319
11101	Auriga	7½	41 21,62	4,045	53 48 24,5	1,629	314
11102	Auriga	8	41 25,06	3,853	59 33 53,8	1,625	260
11103	Orion	7½	41 25,78	3,561	69 45 42,3	1,624	253
11104	Orion	9	41 27,14	3,000	92 58 52,4	1,622	251
11105	Orion	8½	41 27,86	3,240	82 43 53,0	1,621	43
11106	Taurus .....	.	41 30,03	3,459	73 42 49,4	1,617	262
11107	Lepus.....	6	41 32,57	2,503	113 2 35,0	1,614	321
11108	Taurus	8½	41 32,85	3,730	63 38 10,9	1,614	310
11109	Camelopardus .	8½	41 36,62	6,189	23 8 18,2	1,608	376
11110	Taurus	8	41 37,39	3,584	68 54 13,0	1,606	272
11111	Taurus	8½	41 41,42	3,705	64 30 59,8	1,601	145
11112	Taurus	9	41 41,99	3,705	64 30 57,0	1,600	310
11113	Auriga	7½	41 42,87	4,602	41 1 21,5	1,599	377
11114	Orion	6	41 42,94	2,892	97 34 56,0	1,599	266
11115	Orion	8	41 43,20	3,213	83 51 5,2	1,599	46
11116	Orion	6	41 43,30	2,892	97 34 55,1	1,598	264
11117	Taurus	9	41 44,49	3,422	75 10 53,0	1,597	262
11118	Auriga	7½	41 48,18	4,240	48 43 41,1	1,591	207
11119	Orion	9	41 55,51	3,044	91 5 31,6	1,581	50
11120	Taurus	9	5 41 57,05	+3,426	75 1 32,5	-1,578	262

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11121	Taurus	9	5 41 57,15	+3,602	68 13 19,4	-1,578	272
11122	Auriga	6½	42 0,47	3,892	58 20 36,0	1,573	141
11123	Orion	6	42 2,05	3,347	78 14 18,7	1,570	311
11124	Orion	8	42 2,23	2,793	101 42 39,7	1,570	270
11125	Orion	6½	42 3,41	3,111	88 12 21,2	1,569	48
11126	Orion	9	42 12,01	3,047	90 58 41,4	1,556	50
11127	Auriga	7	42 15,86	4,070	53 6 48,1	1,551	314
11128	Orion	8	42 16,54	2,897	97 22 18,5	1,550	266
11129	Orion	8	42 18,95	3,293	80 29 54,5	1,546	206
11130	Orion	8	42 27,05	3,015	92 20 40,3	1,535	251
11131	Orion	9	42 29,19	3,140	87 0 1,3	1,531	256
11132	Taurus	8½	42 31,89	3,758	62 42 42,9	1,528	143
11133	Orion χ^1	6	42 32,60	3,561	69 46 27,6	1,526	253
11134	Auriga	8	42 34,28	3,837	60 5 18,4	1,524	260
11135	Orion	8	42 34,49	2,838	99 52 25,8	1,524	268
11136	Taurus	9	42 34,58	3,428	74 56 51,0	1,524	262
11137	Orion	8½	42 35,58	3,164	85 57 37,7	1,522	256
11138	Orion	9	42 40,16	3,248	82 23 54,0	1,516	43
11139	Orion	9	42 41,05	2,896	97 26 11,8	1,515	266
11140	Auriga	8½	42 41,41	3,941	56 49 49,0	1,514	209
11141	Orion	8	42 43,20	3,215	83 48 6,6	1,511	46
11142	Lepus..... δ	4	42 43,66	2,560	110 54 19,9	1,510	321
11143	Lepus..... δ	4	42 43,77	2,560	110 54 23,2	1,510	319
11144	Lepus..... δ	3½	42 44,20	2,560	110 54 17,4	1,510	318
11145	Taurus	8½	42 45,71	3,362	77 37 13,1	1,508	311
11146	Auriga .....	.	42 47,14	4,443	44 8 50,3	1,505	6
11147	Orion	8½	42 55,60	2,995	93 13 3,4	1,493	251
11148	Auriga	8	42 58,34	4,069	53 9 46,1	1,489	314
11149	Lepus.....	7½	43 1,27	2,698	105 33 55,8	1,485	467
11150	Taurus	8	43 1,48	3,591	68 38 47,2	1,485	272
11151	Lepus.....	9	43 4,63	2,560	110 53 55,2	1,480	319
11152	Taurus	7½	43 5,82	3,769	62 20 4,8	1,478	143
11153	Orion χ^2	7	43 6,25	3,547	70 18 13,3	1,478	253
11154	Orion	8	43 6,42	3,309	79 48 39,7	1,478	206
11155	Lepus.....	6	43 7,12	2,504	112 59 12,8	1,477	321
11156	Taurus	8	43 8,96	3,438	74 32 45,8	1,473	262
11157	Orion	7½	43 9,15	3,318	79 28 6,2	1,473	206
11158	Auriga	7½	43 9,66	4,121	51 45 33,5	1,472	208
11159	Orion	9	43 13,00	3,109	88 18 37,1	1,468	48
11160	Orion	8½	5 43 17,36	+3,582	68 58 28,6	-1,462	272

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11161	Orion	9	5 43 19.73	+3,545	70 21 50.4	-1,457	253
11162	Orion	8	43 20.71	3,486	72 38 56.9	1,456	254
11163	Orion	7	43 21.68	3,346	78 17 12.0	1,455	311
11164	Taurus	8	43 24.07	3,397	76 11 52.4	1,452	313
11165	Taurus	8½	43 26.57	3,397	76 12 25.4	1,447	313
11166	Orion	8	43 27.36	3,340	78 33 51.5	1,446	311
11167	Lepus	8½	43 29.82	2,697	105 36 28.1	1,443	467
11168	Lepus	7½	43 30.84	2,607	109 6 51.5	1,442	318
11169	Taurus	7	43 32.93	3,406	75 49 49.9	1,439	313
11170	Lepus	9	43 37.30	2,699	105 32 7.7	1,432	467
11171	Auriga	8	43 39.90	4,134	51 24 11.4	1,429	208
11172	Orion	7½	43 45.53	3,144	86 49 23.4	1,420	256
11173	Auriga	9½	43 46.49	4,305	47 11 40.6	1,419	207
11174	Auriga	6½	43 51.51	3,806	61 6 16.1	1,411	143
11175	Taurus	8	43 52.56	3,700	64 43 3.8	1,410	145
11176	Orion	7½	43 53.72	2,935	95 45 28.7	1,408	264
11177	Taurus	9	44 4.49	3,705	64 32 17.8	1,393	145
11178	Auriga	9	44 6.15	3,912	57 7 56.7	1,390	141
11179	Auriga	8	44 10.27	4,093	52 31 21.5	1,385	208
11180	Auriga	8½	44 10.60	3,925	57 21 5.9	1,384	141
11181	Camelopardus .	9	44 13.08	6,203	23 4 55.0	1,380	376
11182	Orion	8	44 13.40	3,043	91 7 40.9	1,379	251
11183	Orion	8½	44 15.64	3,538	70 40 17.0	1,376	253
11184	Auriga	8½	44 16.25	3,939	56 54 36.5	1,376	209
11185	Orion .....	.	44 19.14	3,242	82 38 28.8	1,372	262
11186	Orion	α	44 20.77	3,242	82 38 33.7	1,369	206
11187	Orion	α	44 20.81	3,242	82 38 30.3	1,369	43
11188	Orion	α	44 21.08	3,242	82 38 33.4	1,369	46
11189	Orion	7½	44 24.89	3,091	89 4 50.3	1,363	48
11190	Orion	7½	44 25.32	3,091	89 4 56.8	1,362	50
11191	Auriga	8	44 30.46	3,943	56 46 51.5	1,355	209
11192	Orion	9	44 30.48	2,939	95 36 42.5	1,355	264
11193	Taurus	8½	44 31.91	3,401	76 2 45.4	1,353	313
11194	Taurus	8	44 33.56	3,758	62 43 37.8	1,351	143
11195	Lepus	7½	44 34.32	2,679	106 18 48.9	1,349	467
11196	Taurus	7	44 36.91	3,400	76 5 39.5	1,346	313
11197	Lepus	8½	44 38.68	2,775	102 26 46.4	1,343	270
11198	Taurus	7½	44 41.11	3,669	65 47 40.5	1,340	196
11199	Taurus	44 41.69	3,669	65 47 38.9	1,339	315
11200	Orion	9	5 44 47.60	+3,534	70 48 14.2	-1,330	253

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11201	Taurus	8½	5 44 49.79	+3,744	63 11 22.3	-1,326	143
11202	Auriga β	2	44 51.78	4,400	45 5 25.7	1,324	142
11203	Orion	8	44 52.66	3,341	78 31 21.7	1,322	311
11204	Orion	7	44 54.24	2,871	98 27 34.6	1,320	266
11205	Lepus.....	8½	44 57.03	2,519	112 25 29.0	1,316	321
11206	Camelopardus .	10	45 1.56	6,313	22 21 45.7	1,310	376
11207	Orion	8	45 1.75	3,024	91 58 26.1	1,309	251
11208	Auriga π	6	45 5.34	4,447	44 6 0.0	1,304	142
11209	Auriga	8½	45 7.57	4,562	41 47 38.8	1,301	377
11210	Auriga	8½	45 9.64	4,266	48 7 3.9	1,298	207
11211	Orion	7½	45 17.55	3,460	73 41 16.4	1,286	262
11212	Lepus.....	7	45 18.65	2,592	109 41 15.6	1,284	319
11213	Orion	8	45 21.10	3,534	70 49 31.4	1,281	253
11214	Orion	8	45 22.06	3,428	74 57 40.8	1,280	262
11215	Orion	9	45 22.78	2,853	99 13 40.4	1,278	268
11216	Lepus.....	7½	45 24.55	2,693	105 46 46.2	1,277	467
11217	Orion	7½	45 28.89	3,292	80 32 0.8	1,270	206
11218	Orion	8½	45 30.69	3,470	73 17 12.0	1,268	262
11219	Orion	8	45 32.98	2,956	94 52 12.9	1,264	258
11220	Taurus	6	45 35.32	3,718	64 5 11.0	1,261	145
11221	Orion	6½	45 36.58	2,961	94 39 42.5	1,259	258
11222	Orion	8	45 38.88	3,088	89 12 28.3	1,255	48
11223	Orion	8	45 38.97	2,838	99 51 26.6	1,255	268
11224	Orion	6½	45 39.15	3,341	78 31 5.8	1,255	311
11225	Orion	8	45 39.39	3,088	89 12 28.7	1,254	50
11226	Lepus.....	9	45 39.43	2,641	107 49 14.8	1,254	318
11227	Orion	7	45 43.10	2,957	94 49 57.9	1,249	258
11228	Lepus.....	8½	45 44.99	2,762	102 58 59.8	1,247	270
11229	Taurus	9	45 45.66	3,707	64 28 11.4	1,246	145
11230	Auriga	6	45 47.97	4,545	42 7 45.8	1,243	377
11231	Lepus.....	7½	45 50.41	2,590	109 45 1.1	1,239	319
11232	Orion	8½	45 57.07	2,899	97 42 48.6	1,228	266
11233	Orion	9	45 57.52	3,527	71 4 44.8	1,228	253
11234	Orion	8½	45 57.74	3,527	71 4 44.9	1,228	254
11235	Orion	8½	45 58.73	2,894	97 30 32.0	1,227	266
11236	Auriga θ	4	46 5.29	4,082	52 49 0.3	1,216	208
11237	Auriga θ	3½	46 5.59	4,082	52 48 59.4	1,216	314
11238	Auriga	8	46 6.74	3,839	60 3 6.3	1,214	260
11239	Orion	7	46 8.24	3,403	75 58 40.6	1,213	313
11240	Orion	9	5 46 8.56	+2,890	97 40 37.5	-1,213	266

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11241	Lepus.....	9	5 46 11.70	+2,661	107 59.8	-1,205	467
11242	Orion.....	8	46 13.58	3,394	76 19 48.1	1,205	313
11243	Orion.....	9	46 15.07	3,231	83 7 2.2	1,202	43
11244	Taurus.....	8	46 16.03	3,640	66 52 47.3	1,201	315
11245	Auriga.....	8	46 18.00	4,040	53 59 18.4	1,199	314
11246	Taurus.....	8½	46 20.17	3,767	62 25 22.2	1,195	143
11247	Auriga.....	7	46 20.89	4,602	41 4 9.0	1,194	377
11248	Auriga.....	9	46 24.95	3,935	57 2 45.6	1,188	141
11249	Orion.....	9	46 27.54	3,227	83 15 50.6	1,184	43
11250	Auriga.....	8½	46 29.35	3,929	57 14 10.8	1,182	141
11251	Taurus.....	8½	46 29.52	3,594	68 32 21.0	1,181	272
11252	Taurus.....	8½	46 29.77	3,713	64 15 27.6	1,181	145
11253	Taurus.....	7½	46 30.04	3,713	64 15 25.5	1,181	310
11254	Taurus.....	8	46 32.13	3,765	62 28 21.4	1,178	143
11255	Orion.....	9	46 33.55	3,294	80 27 19.9	1,176	206
11256	Taurus.....	9	46 37.15	3,766	62 27 36.3	1,170	143
11257	Orion.....	8	46 42.49	3,042	91 12 14.3	1,162	50
11258	Auriga.....	.	46 44.80	4,333	46 34 57.6	1,160	142
11259	Auriga.....	9	46 47.59	4,326	46 44 52.8	1,155	142
11260	Auriga.....	9	46 47.79	3,840	60 1 43.5	1,155	260
11261	Orion.....	8	46 47.90	3,587	68 48 20.3	1,154	272
11262	Orion.....	8	46 49.72	3,374	77 9 12.2	1,152	311
11263	Orion.....	9	46 49.95	3,186	85 2 9.0	1,152	46
11264	Auriga.....	8	46 52.31	4,268	48 5 7.3	1,148	207
11265	Lepus.....	7½	46 52.79	2,610	109 0 6.5	1,148	318
11266	Camelopardus.	9	46 56.85	6,495	21 17 45.7	1,142	376
11267	Taurus.....	8½	47 2.33	3,630	67 13 26.7	1,134	315
11268	Auriga.....	8	47 4.53	4,014	54 43 2.1	1,131	314
11269	Auriga.....	8	47 5.23	3,940	56 53 35.5	1,129	209
11270	Orion.....	8	47 5.95	3,467	73 26 7.5	1,128	262
11271	Orion.....	8½	47 6.23	3,377	77 2 48.1	1,128	311
11272	Monoceros....	7½	47 7.19	2,802	101 18 57.6	1,127	270
11273	Orion.....	8	47 8.98	3,524	71 12 42.3	1,124	253
11274	Lepus.....	8½	47 9.21	2,698	105 33 51.3	1,124	467
11275	Orion.....	8	47 9.27	3,524	71 12 39.4	1,124	254
11276	Orion.....	9	47 9.92	3,528	71 3 3.2	1,123	253
11277	Auriga.....	9	47 10.24	4,078	52 56 19.7	1,122	208
11278	Monoceros....	9	47 10.47	2,818	100 41 18.0	1,122	268
11279	Lepus.....	7	47 17.76	2,731	104 12 53.7	1,111	317
11280	Auriga.....	9	5 47 18.42	+3,901	58 5 15.9	-1,110	141

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11281	Taurus	9	5 47 19.48	+3,602	68° 16' 29.1	-1,109	272
11282	Orion	7½	47 19.53	2,872	98 25 17.2	1,109	266
11283	Orion	9	47 22.75	3,524	71 13 15.5	1,104	254
11284	Lepus.....	6½	47 24.80	2,538	111 43 28.3	1,101	321
11285	Auriga .....	.	47 27.75	4,336	46 31 0.9	1,096	142
11286	Orion	8½	47 34.14	3,435	74 42 30.1	1,087	262
11287	Taurus	7½	47 34.19	3,757	62 45 7.1	1,087	143
11288	Orion .....	.	47 34.94	3,097	88 48 36.5	1,086	48
11289	Orion	9½	47 35.00	3,205	84 12 30.9	1,086	46
11290	Auriga	7½	47 35.29	4,541	42 13 10.1	1,086	377
11291	Orion	8½	47 36.42	3,253	82 10 24.2	1,084	43
11292	Orion	7	47 38.17	3,348	78 13 27.7	1,081	311
11293	Taurus	7	47 39.34	3,598	68 25 32.2	1,080	272
11294	Monoceros....	8	47 39.45	2,813	100 53 23.8	1,080	268
11295	Lepus.....	7	47 39.78	2,553	111 9 47.1	1,079	319
11296	Auriga	8	47 41.23	4,013	54 46 6.3	1,077	314
11297	Auriga	8	47 42.01	3,907	57 54 8.9	1,076	141
11298	Orion	8	47 45.99	3,525	71 10 39.4	1,070	253
11299	Orion	8	47 46.20	3,525	71 10 45.5	1,070	254
11300	Lepus.....	8	47 46.28	2,543	111 31 58.7	1,070	321
11301	Orion	8	47 50.26	3,112	88 10 34.3	1,064	48
11302	Auriga	8	47 53.83	3,809	61 1 15.6	1,059	260
11303	Orion	8	47 55.13	2,926	96 7 48.9	1,057	264
11304	Auriga	9	47 56.03	4,279	47 50 45.7	1,055	207
11305	Auriga	8½	47 57.14	4,551	42 2 16.2	1,054	377
11306	Lepus.....	8	47 59.60	2,627	108 19 47.5	1,051	318
11307	Orion	7	48 1.51	3,112	88 11 39.4	1,047	48
11308	Orion	7½	48 1.90	3,046	91 1 32.7	1,047	50
11309	Orion	8	48 2.58	3,395	76 17 41.3	1,046	313
11310	Auriga	9	48 5.31	4,011	54 49 1.4	1,042	314
11311	Orion	9	48 5.78	2,889	97 41 3.2	1,041	266
11312	Orion	8½	48 6.70	3,021	92 3 58.2	1,040	251
11313	Orion	9	48 8.98	2,957	94 48 13.5	1,037	258
11314	Orion	9	48 10.79	2,933	95 50 0.2	1,033	264
11315	Orion	9	48 11.76	2,896	97 24 9.2	1,033	266
11316	Auriga	8½	48 13.65	4,130	51 33 48.1	1,030	208
11317	Orion	8	48 13.70	3,364	77 33 24.9	1,030	311
11318	Auriga	9	48 16.45	4,309	47 8 21.1	1,026	207
11319	Auriga	8	48 17.17	4,139	51 18 18.9	1,024	208
11320	Orion	8½	5 48 18.52	+3,555	70 2 14.4	-1,023	253

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11321	Auriga	8	5 48 18,78	+3,924	57 22 58,6	-1,022	141
11322	Taurus	7	48 21,16	3,633	67 7 28,8	1,019	315
11323	Auriga	9	48 22,26	4,337	46 30 38,2	1,017	142
11324	Lepus.....	9	48 23,93	2,603	109 15 20,0	1,015	319
11325	Auriga	9	48 26,61	4,327	46 43 23,4	1,011	143
11326	Taurus	6	48 26,62	3,766	62 27 11,1	1,011	143
11327	Orion	7½	48 27,96	2,961	94 40 15,1	1,009	258
11328*	Orion	9	48 31,48	3,020	92 7 52,5	1,004	251
11329	Orion	6½	48 33,36	3,082	89 28 39,8	1,001	50
11330	Orion	8	48 33,71	3,267	81 36 41,6	1,001	206
11331	Orion	9	48 33,97	3,267	81 36 44,7	1,000	43
11332	Lepus.....	8	48 38,66	2,701	105 26 13,8	0,993	467
11333	Auriga	8½	48 44,37	4,360	45 59 33,0	0,985	143
11334	Lepus.....	6½	48 46,44	2,633	108 5 18,1	0,982	318
11335	Orion	8	48 47,77	3,430	74 53 34,7	0,980	262
11336	Auriga	8½	48 50,26	4,016	54 41 9,4	0,977	314
11337	Auriga	9½	48 50,32	3,946	56 44 41,0	0,976	209
11338	Orion	9	48 52,85	3,293	80 29 28,9	0,973	206
11339	Auriga	7½	48 53,27	4,315	47 1 1,3	0,972	207
11340	Orion	7	48 54,50	3,368	77 24 47,9	0,970	311
11341	Taurus	8½	48 55,84	3,632	67 11 6,1	0,969	315
11342	Monoceros....	.	48 57,47	2,812	100 54 14,1	0,966	268
11343	Taurus	7½	48 58,29	3,644	66 43 9,6	0,965	315
11344	Auriga	9	49 0,72	3,786	61 48 41,9	0,961	143
11345	Auriga	8	49 2,45	4,349	46 13 39,2	0,959	143
11346	Orion	8	49 3,57	3,127	87 33 7,2	0,957	256
11347	Orion	9	49 3,57	3,127	87 33 4,6	0,957	48
11348	Lepus.....	7½	49 4,29	2,599	109 24 59,2	0,956	319
11349	Taurus	9	49 6,40	3,624	67 28 48,7	0,953	272
11350	Monoceros....	8	49 7,96	2,813	100 52 5,1	0,951	268
11351	Camelopardus .	9	49 8,33	6,447	21 34 48,6	0,950	376
11352	Orion	8½	49 10,24	3,182	85 11 45,5	0,948	46
11353	Orion	9	49 14,36	3,500	72 7 54,9	0,941	254
11354	Orion	8½	49 15,01	3,426	75 3 55,0	0,941	262
11355	Orion	9	49 15,20	3,138	87 3 36,4	0,940	256
11356	Taurus	7½	49 17,51	3,656	66 19 2,2	0,937	315
11357	Orion	9	49 18,93	3,280	81 4 5,9	0,935	206
11358	Taurus	8½	49 19,42	3,656	66 17 2,2	0,934	315
11359	Orion	9	49 19,87	3,297	80 19 21,7	0,934	206
11360	Orion	8	5 49 22,14	+3,540	70 36 3,2	-0,930	253

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11361	Auriga	8½	5 49 25,35	+3,929	57 14 41,0	-0,926	141
11362	Lepus.....	9	49 26,99	2,635	108 1 5,9	0,923	318
11363	Orion	8	49 29,19	3,477	73 1 47,9	0,920	254
11364	Orion	7	49 30,16	3,035	91 28 9,3	0,918	251
11365	Monoceros....	8	49 30,25	2,848	99 24 38,1	0,918	268
11366	Orion	9	49 31,04	2,890	97 40 33,5	0,917	266
11367	Auriga	7½	49 31,76	3,923	57 25 41,2	0,916	141
11368	Auriga	8½	49 32,88	4,058	53 29 37,5	0,915	314
11369	Orion	8	49 34,42	3,528	71 3 29,8	0,912	253
11370	Monoceros....	7	49 34,75	2,844	99 34 59,9	0,911	268
11371	Taurus	7	49 37,21	3,620	67 37 6,0	0,908	272
11372	Lepus.....	8	49 43,28	2,731	104 14 1,2	0,899	317
11373	Auriga	7½	49 45,86	4,433	44 25 34,0	0,895	6
11374	Auriga	6½	49 48,24	3,925	57 22 18,2	0,892	141
11375	Orion	9	49 49,27	3,264	81 43 39,6	0,891	43
11376	Lepus.....	8½	49 52,24	2,578	110 11 33,2	0,886	319
11377	Auriga	7½	49 53,60	4,371	45 44 43,2	0,884	143
11378	Orion	9	49 55,82	3,270	81 27 15,0	0,881	43
11379	Orion	9	49 55,93	3,057	90 31 29,7	0,881	50
11380	Auriga	9½	49 56,95	3,786	61 48 35,3	0,879	143
11381	Orion	9	49 58,49	3,111	88 13 40,6	0,877	48
11382	Orion	6½	50 3,06	2,997	93 5 36,1	0,871	251
11383	Orion	9	50 3,55	3,178	85 21 55,3	0,870	46
11384	Orion	8	50 3,57	3,476	73 5 11,1	0,870	254
11385	Monoceros....	8½	50 3,59	2,880	98 4 8,9	0,870	267
11386	Orion	7½	50 4,38	2,915	96 37 17,9	0,869	264
11387	Lepus.....	7½	50 5,78	2,542	111 33 25,3	0,866	321
11388	Lepus.....	8	50 8,24	2,765	102 51 39,6	0,863	270
11389	Lepus.....	8½	50 11,74	2,768	102 43 36,0	0,858	270
11390	Orion	8	50 11,91	3,381	76 53 15,6	0,858	313
11391	Orion	9	50 13,94	3,053	90 42 18,1	0,855	50
11392	Auriga	9	50 17,28	4,010	54 51 59,8	0,850	314
11393	Auriga	7½	50 18,02	4,428	44 31 27,5	0,849	6
11394	Auriga	8	50 18,70	3,800	61 20 21,6	0,848	260
11395	Auriga	8	50 18,82	3,800	61 20 22,0	0,848	143
11396	Orion	8½	50 20,30	3,282	80 56 53,1	0,845	206
11397	Auriga	8½	50 21,09	3,966	56 7 45,1	0,844	209
11398	Orion	7½	50 21,69	3,137	87 6 16,7	0,843	256
11399	Monoceros....	7	50 25,04	2,879	98 7 46,2	0,839	267
11400	Gemini	8	5 50 28,01	+3,718	64 7 38,0	-0,834	310

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11401	Lepus.....	9	5 50 33.25	+2,574	110 21 23.5	-0,826	319
11402	Orion.....	9	50 35.18	3,432	74 48 35.0	0,824	262
11403	Auriga.....	7½	50 38.21	4,565	41 45 29.9	0,820	377
11404	Lepus.....	8	50 38.43	2,718	104 43 53.7	0,819	317
11405	Taurus.....	8	50 38.70	3,610	67 58 6.6	0,819	272
11406	Auriga.....	7	50 40.71	4,315	47 1 12.9	0,816	207
11407	Lepus.....	8	50 43.65	2,666	106 48 42.1	0,811	467
11408	Auriga.....	9	50 45.46	3,983	55 38 14.8	0,809	209
11409	Lepus.....	8	50 46.65	2,691	105 49 43.9	0,807	467
11410	Auriga.....	9½	50 46.67	3,994	55 19 32.6	0,807	209
11411	Auriga.....	7½	50 52.26	4,135	51 26 2.9	0,799	208
11412	Lepus.....	8½	51 1.04	2,710	105 5 5.8	0,786	317
11413	Gemini.....	8	51 1.33	3,619	67 38 31.4	0,786	272
11414	Orion.....	7½	51 1.90	3,144	86 49 48.5	0,785	256
11415	Auriga.....	9	51 1.96	3,892	58 22 50.7	0,785	141
11416	Orion.....	7½	51 3.19	3,137	87 6 28.9	0,783	256
11417	Lepus.....	7	51 4.36	2,763	102 55 4.0	0,781	270
11418	Gemini.....	9	51 5.37	3,736	63 28 59.8	0,780	145
11419	Orion.....	8	51 5.86	3,377	77 3 44.9	0,779	313
11420	Gemini.....	7	51 6.03	3,736	63 29 0.4	0,779	310
11421	Gemini.....	8	51 7.82	3,619	67 40 14.4	0,774	272
11422	Auriga.....	•	51 9.60	4,392	45 17 53.4	0,774	143
11423	Auriga.....	8	51 9.73	4,391	45 18 59.6	0,773	6
11424	Orion.....	8	51 11.87	3,385	76 43 17.6	0,770	313
11425	Orion.....	8	51 12.14	3,571	69 25 32.5	0,770	253
11426	Orion.....	7	51 16.86	3,378	76 59 12.9	0,763	313
11427	Orion.....	8	51 17.76	3,495	72 20 51.7	0,762	254
11428	Auriga.....	7	51 19.55	4,112	51 2 36.5	0,759	208
11429	Auriga.....	9	51 19.62	3,799	61 21 53.8	0,759	260
11430	Auriga.....	9	51 19.67	3,799	61 21 49.4	0,759	143
11431	Orion..... μ	4½	51 22.86	3,297	80 21 58.6	0,754	206
11432	Orion.....	8	51 24.20	3,370	77 20 35.2	0,752	311
11433	Orion..... χ³	6	51 37.20	3,548	70 19 10.5	0,733	253
11434	Auriga.....	8½	51 37.23	3,789	61 42 32.9	0,733	143
11435	Orion.....	9	51 38.25	3,030	91 41 30.4	0,732	251
11436	Auriga.....	9	51 40.28	3,810	61 1 31.6	0,729	260
11437	Orion.....	9	51 42.75	3,110	88 15 9.5	0,725	48
11438	Lepus.....	9	51 45.02	2,711	105 1 13.3	0,722	317
11439	Orion.....	9	51 45.69	3,250	82 18 48.5	0,721	43
11440	Orion.....	8	5 51 46.00	+3,508	71 49 39.2	-0,720	254

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11441	Gemini	7	5 51 49.97	+3,705	64 33 45.7	-0,715	310
11442	Orion	9	51 50.20	3,368	77 24 50.4	0,714	311
11443	Orion	8½	51 53.93	2,983	93 41 46.8	0,708	258
11444	Orion	8	51 54.92	3,109	88 19 4.7	0,707	48
11445*	Gemini	4½	51 57.71	3,644	66 44 23.1	0,704	315
11446	Orion	7½	52 0.70	3,369	77 23 35.4	0,699	311
11447	Orion χ¹	6	52 2.63	3,560	69 52 15.3	0,696	253
11448	Orion	8	52 5.52	3,511	71 44 40.1	0,692	254
11449	Taurus	8	52 5.98	3,596	88 30 50.5	0,691	272
11450	Lepus.....	8½	52 7.73	2,760	103 2 37.8	0,689	270
11451	Orion	7	52 7.80	2,949	95 9 0.4	0,689	258
11452	Auriga	9	52 8.95	4,074	53 3 55.5	0,687	208
11453	Auriga	9	52 11.08	3,962	56 16 29.8	0,684	209
11454	Orion	8½	52 14.17	3,471	73 16 32.8	0,679	262
11455	Orion	6½	52 15.15	3,346	78 19 45.7	0,678	311
11456	Orion	8	52 19.69	3,248	82 22 56.2	0,671	43
11457	Orion	9	52 19.93	3,285	80 51 1.6	0,671	206
11458	Auriga	7	52 21.61	3,957	56 24 15.9	0,669	209
11459	Lepus.....	8½	52 23.98	2,531	111 57 29.2	0,665	321
11460	Gemini	9	52 25.47	3,751	62 59 11.3	0,663	143
11461	Monoceros....	6	52 25.95	2,819	100 36 38.2	0,662	268
11462	Orion	9	52 27.00	3,427	75 2 33.7	0,661	262
11463	Lepus.....	9	52 29.26	2,698	105 33 19.8	0,658	467
11464	Monoceros....	7½	52 30.62	2,898	97 18 6.2	0,655	267
11465	Monoceros....	7	52 31.14	2,898	97 18 5.4	0,655	264
11466	Orion	8½	52 36.35	3,522	71 18 46.9	0,647	253
11467	Lepus.....	7	52 39.27	2,696	105 36 12.0	0,643	467
11468	Orion	8½	52 39.95	3,593	88 36 35.8	0,642	272
11469	Gemini	8½	52 41.61	3,716	64 12 8.5	0,640	310
11470	Gemini	9	52 42.20	3,716	64 12 14.2	0,638	145
11471	Auriga	6	52 45.72	4,020	54 35 52.9	0,633	314
11472	Orion	8	52 48.86	3,380	76 55 49.0	0,629	313
11473	Orion	8	52 53.64	3,160	86 8 28.8	0,622	256
11474	Lepus.....	8½	52 56.47	2,566	110 39 33.2	0,618	319
11475	Camelopardus .	9	52 57.20	6,354	22 8 37.0	0,617	376
11476	Auriga	8	52 57.44	3,903	58 3 6.2	0,616	141
11477	Orion	8½	53 0.90	3,399	76 8 39.1	0,611	313
11478	Lepus.....	8½	53 2.23	2,760	103 2 43.1	0,609	270
11479	Orion	9	53 2.93	3,055	90 36 35.5	0,608	50
11480	Orion	8½	5 53 4.00	+3,170	85 41 31.1	-0,607	256

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11481	Lepus.....	8½	5 53 4,65	+2,622	108 31 51,8	-0,606	318
11482	Taurus	8½	53 7,03	3,600	68 22 27,7	0,603	272
11483	Auriga	7	53 13,05	4,267	48 8 29,6	0,594	207
11484	Auriga	8	53 14,46	3,905	58 16,2	0,592	141
11485	Orion	7½	53 15,99	3,012	92 29 8,6	0,589	251
11486	Orion	8	53 16,14	3,470	73 20 37,2	0,589	262
11487	Orion	8	53 16,33	3,470	73 20 39,2	0,589	255
11488	Orion	8½	53 17,93	3,593	68 36 56,0	0,586	272
11489	Lepus.....	9	53 21,73	2,762	102 57 45,9	0,581	270
11490	Auriga	8	53 23,76	3,809	61 3 55,1	0,578	260
11491	Auriga	8½	53 24,16	3,886	58 35 6,9	0,578	141
11492	Lepus.....	6	53 28,57	2,724	104 30 22,3	0,571	317
11493	Auriga	7½	53 29,73	4,302	47 19 50,9	0,569	143
11494	Orion	9	53 30,21	3,136	87 8 25,5	0,569	48
11495	Auriga	8	53 31,97	4,086	52 44 47,7	0,566	208
11496	Auriga	7½	53 32,01	4,433	44 26 29,5	0,566	6
11497	Lepus.....	8	53 32,56	2,591	109 42 7,3	0,565	319
11498	Auriga	8	53 32,83	3,814	60 53 59,0	0,565	260
11499	Orion	7	53 33,62	3,413	75 36 14,6	0,564	313
11500	Auriga	9	53 35,45	3,904	58 1 57,5	0,561	141
11501	Auriga	6½	53 35,97	3,826	60 29 13,7	0,560	260
11502	Orion	9	53 36,45	3,318	79 29 36,0	0,559	206
11503	Lepus.....	8	53 39,05	2,620	108 34 28,1	0,556	318
11504	Auriga	9	53 39,82	3,778	62 3 52,0	0,555	143
11505	Orion	9	53 41,84	2,920	96 24 3,3	0,552	264
11506	Auriga	7	53 43,39	4,013	54 47 0,2	0,549	314
11507	Orion	9	53 45,28	3,263	81 46 53,9	0,547	43
11508	Auriga	8	53 47,59	4,117	51 54 45,2	0,543	208
11509	Gemini	8½	53 51,03	3,651	66 29 3,2	0,538	315
11510	Lepus.....	8½	53 51,99	2,625	108 24 31,0	0,537	318
11511	Auriga	8½	53 53,75	4,310	47 8 50,9	0,534	143
11512	Orion	8	53 54,77	3,433	74 48 32,9	0,532	262
11513	Auriga	6½	53 55,08	4,051	53 43 17,4	0,532	314
11514	Auriga	9	53 55,98	3,940	56 56 22,9	0,531	209
11515	Gemini	8½	53 56,12	3,737	63 28 17,1	0,531	145
11516	Gemini	8	53 56,22	3,737	63 28 22,8	0,531	310
11517	Gemini	9	53 57,88	3,752	62 56 28,9	0,528	143
11518	Orion	8½	54 0,08	3,467	73 27 11,6	0,525	255
11519	Orion	8	54 2,99	3,417	75 25 24,4	0,521	313
11520	Auriga	8½	5 54 8,06	+3,912	57 47 54,4	-0,513	141

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11521	Orion	8	5 54 10,68	+3,439	74 33 7,7	-0,509	262
11522	Lepus	7½	54 15,40	2,535	111 47 23,2	0,503	321
11523	Auriga	7½	54 15,74	4,234	48 56 5,5	0,502	207
11524	Orion	7	54 18,30	3,197	84 34 49,2	0,498	46
11525	Lepus	8	54 20,81	2,685	106 2 50,5	0,495	467
11526	Orion	9	54 21,88	3,237	82 52 17,2	0,493	43
11527	Orion	6	54 24,45	3,167	85 50 29,7	0,490	256
11528	Auriga	6½	54 26,50	4,043	53 55 40,6	0,486	314
11529	Auriga	9	54 28,54	4,114	52 0 34,6	0,484	208
11530	Monoceros	6	54 30,19	2,912	96 42 45,4	0,481	264
11531	Monoceros	9	54 30,92	2,913	96 40 13,2	0,480	264
11532	Gemini	8	54 34,41	3,744	63 14 31,7	0,475	310
11533	Orion	7½	54 35,89	3,033	91 34 53,0	0,473	252
11534	Gemini	7	54 37,05	3,655	66 21 26,2	0,471	315
11535	Auriga	9	54 38,37	4,104	52 15 45,8	0,469	208
11536	Auriga	8½	54 40,82	3,977	55 49 43,2	0,466	209
11537	Lepus	7½	54 40,84	2,496	113 13 38,2	0,466	321
11538	Gemini	8	54 41,17	3,607	68 6 30,8	0,465	272
11539	Orion	9	54 44,12	3,518	71 27 39,6	0,461	255
11540	Orion	8	54 47,18	3,366	77 31 8,1	0,456	311
11541	Lepus	9	54 47,19	2,737	103 57 29,0	0,456	317
11542	Orion	8	54 49,87	3,090	89 7 50,9	0,452	48
11543	Orion	8	54 50,13	3,090	89 7 58,5	0,452	50
11544	Gemini	7½	54 51,29	3,742	63 18 41,7	0,450	310
11545	Auriga	9	54 54,30	4,255	48 26 19,4	0,446	207
11546	Orion	9½	54 58,89	3,302	80 7 28,6	0,439	206
11547	Gemini	8½	54 58,98	3,639	66 56 26,9	0,439	315
11548	Lepus	7	55 1,41	2,744	103 41 27,9	0,436	317
11549	Auriga	9	55 3,77	3,777	62 7 55,8	0,432	143
11550	Orion	8	55 4,84	3,084	89 22 58,7	0,431	48
11551	Lepus	7	55 5,23	2,734	104 5 16,8	0,430	317
11552	Orion	8	55 5,34	3,084	89 23 5,1	0,430	50
11553	Orion	8	55 6,12	2,945	95 20 31,7	0,429	258
11554	Auriga	7½	55 6,17	4,011	54 50 54,5	0,429	314
11555	Gemini	8	55 7,22	3,613	67 53 15,7	0,427	272
11556	Auriga	7½	55 12,56	4,492	43 13 38,7	0,419	6
11557	Auriga	9	55 12,85	4,542	42 14 53,9	0,419	377
11558	Orion	7½	55 13,21	3,442	74 26 45,9	0,418	262
11559	Auriga	7½	55 14,89	4,323	46 50 46,3	0,416	143
11560	Auriga	9	5 55 21,40	+4,242	48 44 32,7	-0,406	207

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11561	Orion	7½	5 55 21,78	+3,578	69 10 7,0	-0,406	272
11562	Orion	8	55 22,10	3,578	69 10 20,3	0,405	253
11563	Orion	7½	55 22,34	3,462	73 37 33,0	0,405	262
11564	Orion . . . . .	.	55 22,49	3,324	79 14 35,6	0,405	311
11565	Orion	8	55 22,86	3,324	79 14 39,3	0,404	206
11566	Orion	8½	55 24,56	3,228	83 15 47,4	0,402	43
11567	Monoceros	9	55 24,79	2,883	97 56 13,0	0,402	267
11568	Auriga	9	55 25,54	3,764	62 33 26,2	0,400	143
11569	Auriga	9	55 26,40	3,850	59 44 21,5	0,399	260
11570	Auriga	9	55 27,06	3,880	58 47 8,0	0,398	141
11571	Lepus	7	55 27,21	2,728	104 1 56,6	0,398	317
11572	Orion	8	55 27,91	3,408	75 46 45,2	0,397	313
11573	Gemini	8½	55 30,14	3,734	63 35 29,2	0,394	310
11574	Monoceros	9	55 33,06	2,881	98 1 13,2	0,389	267
11575	Orion	8	55 34,09	3,468	73 25 53,8	0,388	262
11576	Orion	8½	55 34,37	3,525	71 11 54,5	0,387	253
11577	Orion	8½	55 34,73	3,525	71 11 52,5	0,387	255
11578	Orion	8½	55 37,00	3,354	77 58 48,8	0,384	311
11579	Gemini	8	55 37,12	3,607	68 7 6,1	0,383	272
11580	Auriga	8½	55 37,74	3,860	59 24 55,5	0,383	52
11581	Auriga	8½	55 38,05	3,860	59 24 56,3	0,382	260
11582	Lepus	8	55 39,13	2,609	109 0 13,2	0,381	318
11583	Auriga	7	55 42,33	4,003	55 5 42,8	0,376	314
11584	Orion	8½	55 42,66	3,471	73 16 22,7	0,375	262
11585	Orion	9	55 44,24	3,148	86 39 29,5	0,373	256
11586	Orion	7½	55 44,92	3,474	75 32 32,0	0,372	313
11587	Lepus	8	55 46,12	2,742	103 45 8,2	0,370	317
11588	Auriga	8	55 48,78	4,126	51 41 23,7	0,366	208
11589	Gemini	8	55 52,52	3,658	66 15 5,4	0,361	315
11590	Orion	8	55 53,29	3,528	71 4 32,5	0,360	255
11591	Orion	8	55 53,48	3,528	71 4 29,4	0,359	253
11592	Gemini	8½	55 58,04	3,661	66 7 40,2	0,353	316
11593	Lepus	7½	55 58,51	2,636	107 57 19,6	0,352	318
11594	Monoceros	6	56 0,44	2,828	100 14 25,8	0,349	268
11595	Lepus	8	56 2,53	2,633	108 4 46,5	0,346	318
11596	Orion	9	56 2,58	2,951	95 3 18,3	0,346	258
11597	Lepus	5½	56 3,48	2,674	106 28 51,0	0,346	467
11598	Lepus	6	56 3,57	2,674	106 28 53,5	0,345	323
11599	Gemini	7½	56 3,90	3,591	68 41 36,8	0,344	272
11600	Auriga	7	5 56 5,50	+4,551	42 4 25,2	-0,342	377

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11601	Lepus.....	8	5 56 8,97	+2,596	109 29 18,1	-0,337	319
11602	Orion.....	4½	56 9,03	3,422	75 13 17,6	0,337	313
11603	Auriga.....	8	56 9,74	3,882	58 43 15,2	0,336	141
11604	Auriga.....	9	56 12,55	4,099	52 24 36,4	0,332	208
11605	Orion.....	8½	56 14,07	3,515	71 35 10,2	0,330	255
11606	Monoceros....	9	56 14,15	2,914	96 37 25,6	0,330	264
11607	Orion.....	8½	56 14,92	3,047	90 57 22,9	0,328	50
11608	Auriga.....	9	56 16,82	4,593	41 15 56,5	0,326	377
11609	Gemini.....	8½	56 16,98	3,648	66 37 3,7	0,325	316
11610	Auriga.....	7	56 17,21	4,593	41 16 4,6	0,325	377
11611	Gemini.....	8	56 24,53	3,713	64 18 26,2	0,314	310
11612	Monoceros....	8	56 24,69	2,898	97 18 30,5	0,314	264
11613	Orion.....	8½	56 30,06	3,121	87 48 59,2	0,306	48
11614	Auriga.....	7	56 30,07	4,405	45 1 46,8	0,306	6
11615	Orion.....	8	56 30,10	3,330	78 58 52,4	0,306	311
11616	Orion.....	8	56 31,89	3,317	79 32 1,1	0,304	206
11617	Gemini.....	9	56 40,00	3,708	64 28 26,5	0,292	310
11618	Orion.....	9½	56 42,21	3,221	83 33 13,6	0,289	46
11619	Orion.....	8½	56 42,42	3,221	83 33 5,6	0,288	43
11620	Lepus.....	8	56 44,18	2,755	103 14 27,9	0,286	270
11621	Orion.....	6	56 44,18	2,972	94 11 5,4	0,286	258
11622	Monoceros....	8	56 44,95	2,874	98 20 24,6	0,285	267
11623	Camelopardus.	9	56 47,08	6,440	21 38 37,1	0,282	376
11624	Monoceros....	9	56 48,90	2,813	100 52 40,3	0,279	268
11625	Lepus.....	8½	56 53,76	2,680	106 13 45,8	0,272	467
11626	Orion.....	8	56 54,17	3,142	86 53 48,1	0,271	256
11627	Gemini.....	8½	56 55,04	3,757	62 47 1,1	0,270	143
11628	Auriga.....	8½	56 55,39	4,242	48 44 51,4	0,269	207
11629	Auriga.....	8	56 57,22	4,368	45 50 39,1	0,267	143
11630	Orion.....	7½	56 57,59	2,992	93 19 57,3	0,266	258
11631	Orion.....	7½	56 57,64	2,992	93 19 47,8	0,266	252
11632	Auriga.....	8	56 59,10	3,819	60 44 34,8	0,264	260
11633	Orion.....	9	57 0,06	3,120	87 50 49,5	0,263	48
11634	Auriga.....	8	57 0,98	4,353	46 10 36,5	0,261	143
11635	Auriga.....	7½	57 5,01	4,325	46 48 54,0	0,255	143
11636	Auriga.....	9	57 5,73	3,793	61 35 7,1	0,254	143
11637	Lepus.....	5	57 6,57	2,713	104 55 44,0	0,253	467
11638	Orion.....	7½	57 9,54	3,403	76 0 50,8	0,249	313
11639	Auriga.....	9½	57 12,02	4,251	48 32 32,3	0,245	207
11640	Monoceros....	7	5 57 12,42	+2,940	96 11 25,8	-0,245	264

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11641	Orion	9	5 57 13.47	+ 3,267	81 37 13.3	- 0,243	43
11642	Orion	9	57 15.43	3,024	91 56 24.6	0,240	252
11643	Auriga	8½	57 22.08	3,860	59 25 43.8	0,230	260
11644	Auriga	8½	57 22.23	3,860	59 25 44.4	0,230	52
11645	Lepus.....	8½	57 24.57	2,787	101 57 16.0	0,227	270
11646	Auriga	8½	57 24.96	3,856	59 33 8.5	0,226	52
11647	Auriga	9	57 25.06	3,856	59 33 13.9	0,226	260
11648	Auriga	9	57 26.14	3,945	56 46 41.0	0,225	209
11649	Monoceros....	9	57 27.17	2,876	98 14 27.5	0,223	267
11650	Auriga	8½	57 27.76	3,981	55 43 7.1	0,222	209
11651	Gemini	7	57 29.01	3,616	67 47 34.3	0,220	272
11652	Monoceros....	6	57 30.41	2,806	101 9 44.5	0,218	268
11653	Auriga	9	57 34.04	4,410	44 55 40.4	0,213	6
11654	Auriga	9	57 34.19	4,367	45 51 33.5	0,213	143
11655	Orion	9	57 34.66	3,147	86 41 42.0	0,212	256
11656	Gemini	6	57 35.38	3,641	66 52 10.2	0,211	316
11657	Auriga	9	57 35.53	3,852	59 40 43.0	0,211	260
11658	Orion	8½	57 36.38	2,986	93 35 26.1	0,210	258
11659	Orion	8½	57 37.61	3,297	80 20 59.8	0,208	206
11660	Auriga	9	57 37.63	3,939	56 58 53.1	0,208	209
11661	Lepus.....	7½	57 38.33	2,784	102 3 15.5	0,207	270
11662	Auriga	8½	57 38.50	3,908	57 55 48.1	0,206	141
11663	Auriga	8½	57 38.95	3,905	58 1 1.1	0,206	141
11664	Lepus.....	8	57 39.82	2,662	106 57 9.3	0,204	323
11665	Lepus.....	7	57 43.22	2,673	106 30 18.0	0,200	323
11666	Lepus.....	7	57 43.29	2,673	106 30 20.4	0,199	467
11667	Lepus.....	9	57 44.75	2,680	106 15 3.0	0,197	467
11668	Orion	8	57 44.90	3,570	69 29 37.3	0,197	253
11669	Auriga	9½	57 46.63	3,800	61 22 15.3	0,194	143
11670	Orion	8	57 46.85	3,149	86 35 47.9	0,194	256
11671	Orion	9	57 49.05	3,156	86 18 14.4	0,191	256
11672	Orion	8	57 51.84	3,274	81 18 48.1	0,187	43
11673	Auriga	9	57 53.29	4,526	42 33 19.1	0,185	377
11674	Monoceros....	8½	58 8.63	2,867	98 38 9.0	0,162	267
11675	Lepus.....	5½	58 12.00	2,499	113 5 51.6	0,158	321
11676	Orion	9	58 12.65	3,025	91 55 1.8	0,157	252
11677	Lepus.....	8	58 15.51	2,585	109 55 34.8	0,152	319
11678	Orion	8	58 17.69	3,246	82 28 1.5	0,149	43
11679	Gemini	7	58 22.10	3,638	66 58 49.5	0,143	316
11680	Auriga	8½	5 58 26.28	+ 3,864	59 18 6.9	- 0,137	52

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11681	Auriga	8½	5 58 26,60	+3,864	59 18 15,0	-0,136	260
11682	Orion	8	58 27,95	3,425	75 7 30,4	0,134	262
11683	Auriga	8½	58 28,10	3,864	59 17 6,9	0,134	260
11684	Gemini	8	58 28,22	3,723	63 57 43,2	0,134	310
11685	Auriga	9	58 28,29	3,864	59 17 1,9	0,134	52
11686	Orion	8	58 29,88	3,398	76 11 44,2	0,132	313
11687	Lepus	7½	58 31,06	2,500	113 4 45,6	0,130	321
11688	Orion	7½	58 31,90	3,129	87 28 42,5	0,128	48
11689	Auriga	8	58 32,78	3,809	61 4 5,3	0,127	143
11690*	Orion	8½	58 33,60	3,128	87 28 59,6	0,126	48
11691	Orion	8½	58 36,68	2,945	95 19 17,7	0,122	264
11692	Orion	8½	58 39,20	3,217	83 42 9,9	0,118	46
11693	Gemini	9	58 44,68	3,721	64 2 28,3	0,110	310
11694	Orion	7½	58 44,84	3,451	74 4 5,4	0,110	262
11695	Orion	8	58 51,57	3,023	92 1 0,2	0,100	251
11696	Orion	9	58 53,31	2,945	95 18 31,7	0,097	264
11697	Orion	8	58 57,59	3,293	80 30 35,6	0,091	206
11698	Orion	7½	58 59,18	3,399	76 9 33,3	0,089	313
11699	Auriga	9	58 59,21	3,805	61 12 14,7	0,089	143
11700	Lepus	6	58 59,48	2,605	109 9 11,3	0,088	319
11701	Orion	8	59 0,93	3,181	85 15 38,0	0,086	256
11702	Monoceros....	6½	59 3,08	2,807	101 7 35,8	0,083	268
11703	Monoceros....	7½	59 3,23	2,807	101 7 39,2	0,083	270
11704	Lepus	7½	59 8,25	2,689	105 52 54,2	0,075	467
11705	Lepus	7	59 8,51	2,689	105 52 55,8	0,075	323
11706	Monoceros....	7	59 8,79	2,884	97 54 55,0	0,075	267
11707	Auriga	8	59 10,15	4,397	45 12 46,6	0,073	143
11708	Orion	9	59 10,31	3,282	80 49 13,2	0,073	206
11709	Orion	8½	59 12,63	3,346	78 19 14,0	0,069	311
11710	Auriga	6	59 13,99	3,929	57 16 42,0	0,067	209
11711	Auriga	7	59 14,07	3,929	57 16 39,0	0,067	141
11712	Gemini	7½	59 18,18	3,599	68 24 32,4	0,061	272
11713	Orion	7½	59 19,61	3,508	71 50 39,2	0,059	255
11714	Gemini	9	59 19,70	3,722	63 59 14,3	0,059	310
11715	Orion	8	59 21,14	3,137	87 6 13,5	0,057	48
11716	Orion	8½	59 26,20	3,218	83 39 19,2	0,049	46
11717	Orion	7	59 26,76	3,581	69 4 3,0	0,049	272
11718	Orion	7	59 27,58	3,396	76 17 51,5	0,047	313
11719	Orion	9	59 27,79	2,946	95 19 38,9	0,047	258
11720	Orion	8½	5 59 28,67	+2,945	95 19 39,9	-0,046	264

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11721	Lepus.....	8	5 59 28,77	+2,598	109 24 47,3	-0,046	320
11722	Auriga	8	59 30,91	4,262	48 16 5,8	0,042	207
11723	Monoceros....	7	59 31,57	2,875	98 16 49,3	0,041	267
11724	Auriga	9	59 31,61	3,938	56 59 53,8	0,041	209
11725	Orion	9	59 33,54	3,181	85 15 23,1	0,039	256
11726	Auriga	8	59 42,29	3,867	59 11 25,4	0,026	52
11727	Auriga	8	59 42,64	3,867	59 11 24,1	0,025	260
11728	Orion	8½	59 43,71	3,443	74 24 33,0	0,024	262
11729	Auriga	9	59 45,03	4,253	48 29 52,0	0,022	207
11730	Orion	6½	59 46,84	2,936	95 41 19,0	0,019	258
11731	Gemini	7½	59 46,91	3,644	66 45 49,5	0,019	316
11732	Orion	8	59 47,64	3,354	77 58 37,6	0,018	311
11733	Auriga	8	59 49,78	4,601	41 7 39,9	0,015	377
11734	Gemini	7	59 49,80	3,607	68 6 11,2	0,015	272
11735	Auriga	7	59 53,06	4,084	52 48 25,9	0,010	208
11736	Auriga	6½	59 53,80	4,084	52 48 25,5	0,009	314
11737	Orion	9	59 55,99	3,282	80 57 42,7	0,006	206
11738	Orion	8	5 59 56,16	3,139	87 4 19,5	-0,006	48
11739	Orion	8	6 0 0,62	3,489	72 35 35,2	+0,001	255
11740	Auriga	8½	0 1,53	4,389	45 22 41,1	0,002	143
11741	Lepus.....	7½	0 1,82	2,735	104 2 32,5	0,003	317
11742	Lepus.....	8	0 2,97	2,756	103 11 48,6	0,004	317
11743	Auriga	8	0 3,01	4,475	43 34 8,2	0,004	6
11744	Lepus.....	8	0 3,93	2,758	103 6 52,4	0,006	270
11745	Orion	8½	0 4,02	3,161	86 6 7,6	0,006	256
11746	Lepus.....	8½	0 7,72	2,694	105 40 40,2	0,011	467
11747	Lepus.....	8	0 7,79	2,694	105 40 51,1	0,011	323
11748*	Orion	6	0 8,38	3,395	76 19 50,8	0,012	313
11749	Auriga	9	0 9,73	3,945	56 48 21,9	0,014	209
11750	Gemini	6	0 11,58	3,636	67 3 34,8	0,017	316
11751	Orion	8½	0 16,46	3,023	91 58 47,5	0,024	252
11752	Orion	9	0 18,28	3,499	72 12 5,9	0,027	255
11753	Auriga	9	0 18,46	4,078	52 58 53,2	0,027	208
11754	Auriga	8	0 24,64	4,091	52 38 33,0	0,036	208
11755	Auriga	7½	0 25,44	4,090	52 38 38,5	0,037	314
11756	Orion	9	0 26,78	3,499	72 12 36,9	0,039	255
11757	Auriga	9	0 27,06	3,765	62 31 57,4	0,039	143
11758	Monoceros....	9	0 29,66	2,904	97 4 47,0	0,043	264
11759	Orion..... ^f	6	0 31,04	3,457	73 50 16,5	0,045	262
11760	Lepus	6½	6 0 32,92	+2,633	108 6 7,5	+0,048	318

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11761	Lepus.....	5½	6 0 33.74	+2,518	112 24 6.0	+0,049	321
11762	Orion.....	5	■ 34.01	3,409	75 45 33.1	0,050	313
11763	Auriga	9	○ 36.53	4,265	48 12 27.1	0,053	207
11764	Auriga	9	■ 37.79	4,080	52 55 11.3	0,055	208
11765	Orion	8	○ 38.04	3,125	87 38 23.0	0,056	48
11766	Lepus.....	9	○ 41.01	2,773	102 31 3.2	0,060	270
11767*	Auriga	6	○ 47.56	4,438	44 20 52.3	0,069	383
11768	Orion	8½	○ 50.23	3,253	82 11 37.3	0,073	43
11769	Auriga	7½	■ 50.42	3,947	56 43 7.1	0,073	209
11770	Orion	7	■ 53.88	3,396	76 16 50.8	0,079	313
11771	Orion	8	1 1.25	3,026	91 51 10.4	0,089	252
11772	Orion	8	1 9.67	3,244	82 34 31.2	0,102	43
11773	Lepus.....	8½	1 10.40	2,789	101 50 1.9	0,102	268
11774	Orion	8	1 11.76	3,236	83 10 13.3	0,105	46
11775	Lepus.....	8	1 12.10	2,570	110 28 29.5	0,105	320
11776	Orion	8	1 12.57	3,314	79 37 57.7	0,106	206
11777	Lepus.....	7½	1 13.94	2,711	105 1 57.9	0,108	467
11778	Lepus.....	7	1 14.48	2,711	105 1 52.4	0,109	317
11779	Lepus.....	7½	1 16.11	2,527	112 5 39.2	0,111	321
11780	Monoceros....	7	1 17.85	2,912	96 43 24.2	0,114	264
11781	Orion	9	1 20.10	3,128	87 29 44.1	0,117	48
11782	Monoceros....	8	1 22.21	2,899	97 15 17.8	0,120	264
11783	Orion	8	1 23.99	3,531	70 57 17.8	0,123	253
11784.	Lepus.....	6	1 24.28	2,509	112 45 3.2	0,123	321
11785	Monoceros....	8½	1 31.21	2,890	97 39 59.9	0,133	267
11786	Orion	9	1 34.81	3,088	89 13 1.1	0,138	50
11787	Orion	8	1 36.04	3,180	85 17 30.6	0,140	256
11788	Auriga	8	1 36.41	4,277	47 55 18.3	0,141	207
11789	Monoceros....	9	1 37.89	2,816	100 44 33.2	0,143	268
11790	Orion	8½	1 47.57	3,040	91 17 24.3	0,157	252
11791	Orion	7	1 48.40	3,523	71 16 49.2	0,158	253
11792	Auriga	9	1 49.30	3,896	58 17 11.0	0,160	141
11793	Orion	7	1 50.49	2,961	94 37 54.9	0,161	258
11794	Monoceros....	8½	1 50.86	2,907	96 56 21.6	0,162	264
11795	Camelopardus .	8	1 53.43	9,507	11 44 9.7	0,166	366
11796	Gemini	8	1 55.45	3,666	65 58 19.1	0,169	316
11797	Gemini	8½	1 55.64	3,665	66 ■ 22.1	0,169	316
11798	Orion	8½	1 55.91	3,540	70 37 43.6	0,169	253
11799	Orion	7	1 56.42	3,313	79 40 35.5	0,170	206
11800	Auriga	9	6 1 56.62	+3,967	56 7 15.0	+0,170	209

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11801	Auriga	9	6	2	1,65	+3,770	62° 20' 40,8	+0,178	143
11802	Lepus	8½		2	5,37	2,574	110 19 21,5	0,183	320
11803	Orion	6½		2	6,48	3,322	79 19 4,8	0,185	311
11804	Orion	7½		2	6,96	3,322	79 19 8,9	0,185	206
11805	Monoceros....	6		2	7,11	2,917	96 30 58,0	0,186	264
11806	Auriga	8½		2	9,66	4,048	53 48 37,7	0,189	315
11807	Orion	8		2	9,86	3,241	82 41 1,8	0,189	44
11808	Orion	8		2	10,16	3,241	82 40 40,8	0,190	43
11809	Auriga	7½		2	10,49	4,048	53 48 28,8	0,190	315
11810	Orion	8		2	10,89	3,405	75 56 15,6	0,191	313
11811	Orion	8		2	11,70	3,247	82 25 39,4	0,192	43
11812	Orion	8		2	11,90	3,247	82 25 30,3	0,193	44
11813	Monoceros....	7½		2	14,03	2,829	100 13 0,6	0,196	268
11814	Orion	8½		2	15,35	3,297	80 21 51,6	0,197	206
11815	Orion	7½		2	17,00	3,212	83 56 42,2	0,200	46
11816	Auriga	8½		2	17,21	3,890	58 28 53,5	0,200	141
11817	Auriga	9		2	18,03	4,106	52 12 48,3	0,201	208
11818	Orion	8½		2	18,27	2,984	93 41 7,6	0,202	258
11819	Orion	9		2	21,01	3,431	74 52 40,1	0,206	262
11820	Lepus	8		2	22,48	2,692	105 45 31,9	0,208	467
11821	Lepus	6½		2	22,60	2,692	105 45 30,0	0,208	323
11822	Orion	9		2	24,42	3,312	79 42 47,6	0,211	206
11823	Auriga	8		2	24,92	4,103	52 18 59,5	0,211	208
11824	Canis Major ..	8½		2	26,17	2,772	102 33 57,0	0,213	270
11825	Gemini	8½		2	27,41	3,702	64 42 34,8	0,215	310
11826	Orion	9		2	29,37	2,984	93 40 36,7	0,218	258
11827	Orion	8½		2	30,08	3,039	91 17 46,5	0,219	252
11828	Orion	8		2	30,86	3,297	80 19 55,6	0,220	206
11829	Orion	9		2	34,61	3,137	87 6 46,0	0,226	48
11830	Orion	9		2	36,82	3,045	91 3 13,9	0,229	252
11831*	Auriga x	4½		2	37,75	3,828	60 26 33,9	0,230	260
11832	Auriga x	4½		2	37,85	3,828	60 26 34,9	0,230	52
11833	Auriga x	4½		2	38,00	3,828	60 26 30,0	0,230	145
11834	Monoceros....	8		2	38,56	2,899	97 17 11,0	0,231	267
11835*	Auriga	6		2	39,62	4,477	43 31 38,0	0,233	383
11836	Auriga	6½		2	39,67	4,477	43 31 34,7	0,233	6
11837	Orion	9		2	41,31	3,089	89 11 23,6	0,235	50
11838	Auriga	9½		2	43,38	3,901	58 7 5,3	0,238	141
11839	Orion	6½		2	47,60	3,503	72 3 3,3	0,244	255
11840	Auriga	8½	6	2	48,09	+3,778	62 5 23,0	+0,245	143

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11841	Lepus.....	8½	h m s 6 2 48,22	+2,650	107° 24' 34,6"	+0,245	318
11842	Gemini γ	4½	2 48,29	3,625	67 26 59,4	0,245	272
11843	Gemini γ	4	2 48,59	3,625	67 26 55,6	0,246	316
11844	Gemini γ	4½	2 48,72	3,625	67 26 56,1	0,246	196
11845	Gemini γ	4½	2 49,48	3,625	67 26 58,4	0,247	145
11846	Lepus.....	8	2 50,95	2,508	112 47 38,8	0,249	321
11847	Orion.....	8	2 50,98	3,415	75 30 33,2	0,250	313
11848	Auriga	8½	2 51,17	3,970	56 2 17,3	0,250	209
11849	Orion.....	8	2 54,98	3,416	75 27 40,2	0,255	313
11850	Orion.....	9	2 55,06	3,539	70 40 18,7	0,255	253
11851	Orion.....	9	2 57,13	3,490	72 32 21,0	0,258	255
11852	Orion.....	9	2 59,80	3,436	74 39 40,1	0,262	262
11853	Monoceros....	8	3 2,09	2,823	100 27 2,6	0,266	268
11854	Gemini	8	3 3,56	3,704	64 37 13,7	0,268	310
11855	Orion.....	6	3 4,80	3,536	70 47 19,1	0,270	253
11856	Auriga	8½	3 7,46	3,936	57 2 58,1	0,274	209
11857	Monoceros....	7½	3 10,91	2,955	94 53 36,9	0,279	258
11858	Monoceros....	8½	3 10,93	2,899	97 15 36,0	0,279	267
11859	Orion.....	8	3 11,25	3,455	73 55 17,3	0,279	262
11860	Auriga	8½	3 13,67	4,229	49 3 42,6	0,283	207
11861	Orion.....	9	3 15,23	3,046	91 0 34,1	0,285	252
11862	Orion.....	8	3 16,49	3,350	78 8 31,4	0,287	311
11863	Lepus.....	9	3 17,43	2,501	113 1 44,1	0,288	321
11864	Orion.....	6½	3 18,77	3,419	75 22 11,1	0,290	313
11865	Canis Major ..	8	3 19,54	2,747	103 34 59,1	0,291	317
11866	Orion.....	8½	3 20,81	3,350	78 9 28,5	0,293	311
11867	Monoceros....	8	3 20,92	2,953	94 58 10,1	0,293	258
11868	Auriga	6	3 21,52	4,475	43 34 46,3	0,294	6
11869	Auriga	6	3 21,63	4,475	43 34 47,6	0,294	383
11870	Orion.....	8½	3 24,15	3,137	87 7 58,5	0,298	48
11871	Lepus.....	9	3 24,84	2,509	112 45 55,7	0,299	321
11872	Monoceros....	8	3 24,89	2,828	100 14 54,0	0,299	268
11873	Auriga	9	3 28,76	4,254	48 28 14,3	0,305	207
11874	Monoceros....	8½	3 29,94	2,896	97 24 53,7	0,306	267
11875	Auriga	7	3 31,09	3,846	59 50 52,7	0,308	260
11876	Auriga	8	3 31,17	3,846	59 50 51,9	0,308	52
11877	Auriga	8½	3 36,24	3,892	58 23 52,9	0,316	141
11878	Auriga	8	3 37,03	4,206	49 38 7,9	0,317	6
11879	Auriga	9	3 40,59	3,915	57 42 35,4	0,322	141
11880	Auriga	8	6 3 40,81	+3,808	61 5 57,5	+0,322	143

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11881	Orion	8	6	3	40,83	+3,046	91	1	6,2	+0,322	252
11882	Orion	8½		3	43,62	3,131	87	22	52,0	0,326	48
11883	Auriga	8		3	46,30	4,201	49	45	30,1	0,330	6
11884	Orion	8½		3	47,52	3,401	76	6	14,1	0,332	313
11885	Orion	9		3	47,56	3,499	72	12	5,8	0,332	255
11886	Orion	8		3	48,02	3,465	73	31	21,1	0,333	262
11887	Orion..... <i>f</i> ²	6		3	53,00	3,458	73	48	29,4	0,340	262
11888	Monoceros....	8½		3	53,88	2,819	100	36	0,4	0,341	268
11889	Orion	7½		3	54,55	3,177	85	24	37,3	0,342	256
11890	Lepus.....	6½		3	56,97	2,642	107	43	21,8	0,346	318
11891	Orion	9		3	57,31	3,084	89	22	11,7	0,346	50
11892	Orion	6		3	57,38	2,983	93	42	0,2	0,346	258
11893	Auriga	7		4	0,83	4,531	42	27	49,5	0,351	377
11894	Auriga	8		4	4,76	3,813	60	56	14,7	0,357	260
11895	Auriga	8½		4	4,95	3,843	59	56	41,3	0,357	52
11896	Gemini	6		4	5,39	3,666	65	58	44,4	0,358	316
11897	Gemini	9		4	6,52	3,603	68	14	58,5	0,360	272
11898	Canis Major ..	9		4	6,75	2,700	105	27	9,5	0,360	323
11899	Canis Major ..	8		4	8,18	2,520	112	20	20,0	0,362	321
11900	Canis Major ..	8		4	9,10	2,515	112	31	9,7	0,364	321
11901	Auriga	6½		4	9,63	4,013	54	47	56,9	0,364	315
11902	Orion	8½		4	12,04	3,124	87	39	45,9	0,367	48
11903	Monoceros....	9		4	12,38	2,815	100	46	33,1	0,368	268
11904	Monoceros....	8		4	13,61	2,911	96	46	47,3	0,370	264
11905	Monoceros....	7		4	16,65	2,901	97	12	14,5	0,374	264
11906	Monoceros....	7		4	16,79	2,901	97	12	13,2	0,375	267
11907	Orion	8		4	17,74	3,269	81	30	26,8	0,376	44
11908	Orion	8½		4	22,38	3,533	70	53	39,5	0,383	253
11909	Canis Major ..	7		4	23,50	2,703	105	20	26,1	0,384	323
11910	Auriga	8½		4	27,10	3,916	57	40	53,6	0,390	141
11911	Monoceros....	8½		4	38,83	2,807	101	7	54,4	0,407	269
11912	Monoceros....	9		4	39,17	2,807	101	7	53,8	0,407	270
11913	Orion	9		4	39,86	3,061	90	22	0,2	0,408	50
11914	Canis Major ..	8½		4	40,03	2,701	105	24	33,6	0,408	323
11915	Orion	8½		4	41,88	3,031	91	40	11,0	0,411	252
11916	Orion	6		4	43,47	2,964	94	31	21,4	0,414	258
11917	Orion	8		4	44,47	3,532	70	56	19,7	0,415	253
11918	Orion	7		4	46,38	3,484	72	45	57,6	0,418	255
11919	Gemini	6½		4	46,38	3,659	66	12	19,8	0,418	316
11920	Auriga	8	6	4	46,89	+3,923	57	26	26,5	+0,418	141

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11921	Gemini	9	6 4 48,71	+3,616	67 46 28,2	+0,421	272
11922	Orion	8½	4 51,90	3,270	81 29 35,1	0,426	44
11923	Orion	7	4 57,22	3,213	83 52 56,6	0,434	46
11924	Monoceros....	9	5 1,17	2,896	97 23 29,9	0,439	267
11925	Monoceros....	4½	5 5,78	2,924	96 13 29,9	0,446	264
11926	Auriga	•	5 10,39	3,840	60 3 19,4	0,453	52
11927	Orion	6½	5 12,45	3,171	85 39 50,3	0,456	257
11928	Orion..... ^{k²}	6	5 13,06	3,361	77 41 8,2	0,457	311
11929	Orion	9	5 15,28	3,491	72 30 21,5	0,460	255
11930	Gemini	8	5 17,20	3,615	67 48 0,4	0,463	272
11931	Monoceros....	8	5 17,47	2,890	97 39 15,9	0,463	267
11932	Orion	8	5 18,87	3,038	91 20 55,4	0,465	252
11933	Auriga	8	5 23,32	3,783	61 55 58,9	0,472	143
11934	Orion	7½	5 23,44	3,529	71 1 49,9	0,472	253
11935	Canis Major ..	9	5 23,75	2,595	109 33 34,4	0,472	320
11936	Orion	6½	5 24,21	3,060	90 26 57,6	0,473	50
11937	Auriga	9	5 25,64	3,841	60 0 43,1	0,475	52
11938	Canis Major ..	8	5 26,21	2,650	107 25 40,3	0,476	318
11939	Auriga	9	5 26,76	4,238	48 50 31,3	0,477	207
11940	Monoceros....	9	5 29,87	2,808	101 5 24,5	0,481	269
11941	Auriga	9	5 30,16	4,513	42 48 56,6	0,482	383
11942	Auriga	6½	5 30,50	4,015	54 43 49,1	0,482	315
11943	Auriga	9	5 30,63	4,513	42 48 57,0	0,482	377
11944	Camelopardus .	8½	5 30,93	9,381	11 57 41,6	0,483	366
11945	Auriga	9	5 31,06	4,513	42 48 56,5	0,483	383
11946	Gemini	9½	5 33,34	3,709	64 27 12,9	0,486	145
11947	Orion	7½	5 34,39	3,098	88 46 44,9	0,488	48
11948	Orion	8	5 36,00	3,451	74 5 31,2	0,490	262
11949	Monoceros....	6	5 37,51	2,956	94 51 45,5	0,492	258
11950	Canis Major ..	7½	5 38,90	2,597	109 28 40,0	0,494	320
11951	Gemini	8	5 39,40	3,736	63 30 26,7	0,495	310
11952	Auriga	7	5 48,95	3,759	62 43 34,8	0,509	143
11953	Canis Major ..	9	5 52,97	2,634	108 2 4,1	0,515	318
11954	Canis Major ..	8½	5 53,17	2,677	106 22 21,9	0,515	323
11955	Canis Major ..	9	5 53,87	2,789	101 51 55,0	0,516	270
11956	Auriga	8	5 53,99	4,310	47 8 2,8	0,516	143
11957	Auriga	8	5 54,60	3,967	56 8 33,4	0,517	209
11958	Orion	8	5 54,97	3,355	77 57 50,7	0,518	311
11959	Auriga	7½	5 56,65	4,133	51 30 4,1	0,520	208
11960	Monoceros....	8½	6 6 0,44	+2,925	96 9 15,0	+0,526	264

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11961	Orion	9	6	6	1,63	+3,096	88° 51' 47,3	+0,527	48
11962	Gemini	8		6	1,90	3,544	70 29 2,5	0,528	253
11963	Orion	6		6	5,31	3,305	79 59 51,3	0,533	210
11964	Canis Major ..	7½		6	5,52	2,789	101 51 8,0	0,533	270
11965	Orion	8½		6	6,51	3,004	92 49 36,2	0,535	252
11966	Canis Major ..	8½		6	9,81	2,525	112 10 9,0	0,539	321
11967	Auriga	8½		6	10,35	3,784	61 53 4,2	0,540	143
11968	Orion	7½		6	11,05	3,236	82 53 26,2	0,541	44
11969	Orion	7		6	11,51	3,406	75 52 55,3	0,542	313
11970	Auriga	8		6	13,86	3,995	55 17 46,8	0,545	209
11971	Orion	8½		6	16,02	3,234	82 59 5,5	0,548	44
11972	Orion	9		6	17,81	3,496	72 18 0,6	0,551	255
11973	Auriga	8		6	19,36	3,795	61 30 14,7	0,553	52
11974	Monoceros....	9		6	21,87	2,815	100 46 53,7	0,557	269
11975	Gemini	8		6	22,16	3,705	64 35 23,2	0,557	310
11976	Gemini	9		6	22,62	3,710	64 24 20,2	0,558	145
11977	Gemini	9		6	23,90	3,705	64 35 14,4	0,560	145
11978	Gemini	9		6	24,01	3,710	64 24 26,0	0,560	310
11979	Auriga	9		6	24,46	4,086	52 45 1,1	0,561	208
11980	Orion	9		6	26,65	3,447	74 13 30,5	0,564	262
11981	Orion	9		6	29,18	3,483	72 48 50,8	0,568	255
11982	Auriga	9		6	30,42	4,051	53 43 25,4	0,569	315
11983	Canis Major ..	5½		6	31,93	2,624	108 25 16,7	0,572	318
11984	Canis Major ..	6		6	32,34	2,577	110 13 19,6	0,572	320
11985	Canis Major ..	5		6	35,10	2,745	103 39 50,2	0,576	317
11986	Orion	9		6	39,84	3,453	73 58 59,4	0,583	262
11987	Monoceros....	9		6	41,28	2,919	96 24 46,9	0,585	264
11988	Gemini	8		6	41,87	3,589	68 45 21,6	0,586	272
11989	Orion	6½		6	42,40	3,414	75 33 22,9	0,587	313
11990	Gemini	7½		6	42,46	3,656	66 20 1,3	0,587	316
11991	Auriga	8		6	46,82	3,752	62 57 5,3	0,593	143
11992	Canis Major ..	8		6	54,90	2,598	109 26 22,9	0,605	320
11993	Monoceros....	8		6	55,07	2,837	99 52 40,6	0,605	269
11994	Auriga	8		6	57,82	4,438	44 19 10,9	0,609	383
11995	Auriga	7½		7	0,11	4,291	47 35 30,0	0,613	207
11996	Gemini	9		7	2,59	3,714	64 15 7,9	0,617	310
11997	Monoceros....	9		7	5,24	2,926	96 7 47,2	0,620	264
11998*	Canis Major ..	7½		7	7,51	2,664	106 53 23,2	0,623	323
11999	Gemini	7½		7	8,48	3,652	66 28 0,4	0,625	316
12000	Canis Major ..	6	6	7	12,52	+2,672	106 33 42,0	+0,631	323

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12001	Gemini	7½	6	7	13,64	+3,646	66	39	39,7	+0,633	316
12002	Canis Major ..	9		7	16,10	2,526	112	8	10,9	0,636	322
12003	Orion	9		7	18,53	3,173	85	34	51,7	0,640	257
12004	Monoceros....	8½		7	19,03	2,926	96	3	33,1	0,640	264
12005	Monoceros....	9		7	21,93	2,834	100	0	19,2	0,645	269
12006	Canis Major ..	7½		7	23,84	2,786	101	59	7,9	0,647	270
12007	Orion	7		7	24,00	3,488	72	36	36,2	0,648	255
12008	Monoceros....	8½		7	24,74	2,925	96	10	58,6	0,649	264
12009	Monoceros....	8½		7	25,47	2,887	97	45	59,9	0,650	267
12010	Auriga	8½		7	27,59	4,114	51	59	26,0	0,653	208
12011	Auriga	7½		7	28,49	4,366	45	52	5,5	0,654	143
12012	Gemini	9		7	31,24	3,558	69	55	51,2	0,658	253
12013	Auriga	8½		7	32,01	3,764	62	32	52,3	0,659	143
12014	Auriga	8		7	32,40	4,055	53	36	59,4	0,660	315
12015	Auriga	8		7	32,70	4,467	43	43	58,8	0,660	383
12016	Orion	8		7	33,87	3,399	76	9	21,9	0,662	313
12017	Orion	8		7	34,59	3,407	75	50	23,5	0,663	313
12018	Orion	7		7	40,79	3,190	84	51	0,7	0,672	46
12019	Canis Major ..	9		7	41,19	2,602	109	17	33,0	0,673	320
12020	Orion	7½		7	41,80	3,335	78	46	2,1	0,674	311
12021	Auriga	8		7	42,45	4,382	45	30	53,3	0,675	143
12022	Orion	7½		7	43,06	3,164	85	57	3,5	0,675	257
12023	Orion	8½		7	43,31	3,076	89	42	42,4	0,676	50
12024	Orion	7		7	43,61	3,284	80	53	13,2	0,676	210
12025	Canis Major ..	8		7	45,66	2,710	105	3	52,9	0,679	317
12026	Auriga	9		7	49,46	4,387	45	25	28,2	0,685	143
12027	Orion	9		7	50,80	3,082	89	27	1,0	0,686	50
12028	Auriga	9		7	52,46	3,761	62	38	53,5	0,689	143
12029	Orion	9		7	53,93	3,108	88	22	12,3	0,691	48
12030	Orion	7½		7	56,42	3,177	85	25	33,7	0,695	257
12031	Gemini	8		7	57,53	3,657	66	15	37,4	0,696	316
12032	Monoceros....	8½		7	58,98	2,969	94	19	2,8	0,699	258
12033	Orion	9		7	59,41	3,459	73	45	3,4	0,699	262
12034	Orion	8½		8	1,47	3,229	83	12	27,8	0,703	44
12035	Monoceros....	9		8	1,65	2,802	101	19	3,5	0,703	270
12036	Monoceros....	9		8	1,97	2,886	97	49	31,1	0,703	267
12037	Orion	7		8	6,86	3,384	76	29	54,4	0,710	313
12038	Orion	7½		8	8,85	3,455	73	54	57,7	0,713	262
12039	Orion	8½		8	9,55	3,391	76	29	0,4	0,714	313
12040	Canis Major ..	7½	6	8	10,19	+2,621	108	32	51,8	+0,715	318

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12041	Gemini	8	6	8	12,07	+3,712	64	19	5,3	+0,718	310
12042	Gemini	8		8	12,15	3,712	64	19	5,9	0,718	145
12043	Gemini	7½		8	15,97	3,700	64	44	23,8	0,724	310
12044	Gemini	8		8	16,44	3,700	64	44	28,3	0,724	145
12045	Auriga	9		8	19,45	4,215	49	24	53,8	0,729	6
12046	Gemini	8		8	20,71	3,555	70	3	19,7	0,730	253
12047	Monoceros....	9		8	21,06	2,836	99	55	15,2	0,731	269
12048	Orion	6½		8	21,18	3,214	83	50	15,3	0,731	46
12049	Orion	8		8	24,34	3,169	85	44	29,3	0,736	257
12050	Orion	9		8	28,51	3,002	92	54	37,1	0,742	252
12051	Monoceros....	7½		8	29,09	2,939	95	35	18,2	0,743	264
12052	Orion	9		8	33,98	3,283	80	54	50,5	0,749	210
12053	Gemini	8		8	34,48	3,587	68	50	12,3	0,750	272
12054	Auriga	8½		8	34,65	4,016	54	41	54,5	0,751	315
12055	Orion	8½		8	35,07	3,331	78	55	18,6	0,751	311
12056	Canis Major ..	6½		8	38,85	2,512	112	38	18,7	0,757	322
12057	Orion	6½		8	39,68	3,421	75	16	38,3	0,758	262
12058	Canis Major ..	7		8	43,30	2,521	112	18	35,7	0,763	322
12059	Auriga	8		8	43,94	3,994	55	19	24,7	0,764	209
12060	Canis Major ..	5½		8	47,73	2,667	106	45	4,3	0,770	323
12061	Orion	9		8	51,85	3,422	75	14	20,4	0,776	262
12062	Orion	8½		8	52,68	3,507	71	52	42,8	0,777	255
12063	Monoceros....	8½		8	59,88	2,953	94	59	42,8	0,787	258
12064	Canis Major ..	6½		9	2,71	2,606	109	7	23,5	0,792	318
12065	Orion	8		9	9,28	2,984	93	40	39,6	0,801	258
12066	Orion	8½		9	9,32	2,991	93	22	0,7	0,801	258
12067	Gemini	9		9	10,72	3,556	69	59	59,8	0,803	253
12068	Orion	8		9	11,36	3,050	90	50	40,5	0,804	50
12069	Orion	9		9	11,39	3,180	85	17	20,7	0,804	257
12070	Auriga	7½		9	15,11	3,843	59	57	27,0	0,810	52
12071	Camelopardus .	7		9	16,78	9,424	11	52	28,7	0,812	366
12072	Gemini	7½		9	16,80	3,588	68	47	32,5	0,812	272
12073	Auriga	9		9	17,98	3,932	57	9	35,4	0,814	209
12074	Monoceros....	.		9	20,16	2,850	99	19	9,1	0,817	267
12075	Gemini	8		9	23,83	3,590	68	43	32,4	0,822	272
12076	Canis Major ..	8		9	24,36	2,723	104	31	48,8	0,823	317
12077	Orion	7		9	26,16	3,252	82	12	26,8	0,825	44
12078	Auriga	8½		9	28,91	4,513	42	47	44,0	0,829	377
12079	Canis Major ..	8½		9	33,52	2,627	108	20	49,8	0,836	318
12080	Auriga	9½	6	9	33,94	+3,873	58	58	27,0	+0,837	141

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12081	Monoceros....	7	6 9 34.02	+2,870	98 30 53.8	+0,837	267
12082	Auriga	7	9 35.24	4,215	49 23 48.6	0,839	6
12083	Auriga	7	9 35.80	4,215	49 23 44.1	0,840	207
12084	Orion	8	9 35.85	3,422	75 13 3.5	0,840	262
12085	Canis Major ..	5½	9 36.16	2,586	109 53 59.9	0,840	320
12086	Gemini	8	9 36.61	3,660	66 9 37.5	0,841	316
12087	Auriga	8	9 38.60	4,118	51 52 54.6	0,844	208
12088	Orion	7	9 41.56	3,350	78 10 2.6	0,848	311
12089	Canis Major ..	8	9 43.37	2,717	104 46 25.9	0,851	317
12090	Gemini	8	9 44.20	3,555	70 1 55.0	0,852	253
12091	Orion	9	9 44.98	3,284	80 53 1.8	0,853	210
12092	Orion	8½	9 45.09	3,345	78 20 9.9	0,853	311
12093	Orion	7	9 45.29	3,500	72 9 27.3	0,854	255
12094	Gemini	9	9 45.33	3,591	68 40 50.5	0,854	272
12095	Canis Major ..	6	9 45.68	2,713	104 57 23.9	0,854	317
12096	Auriga	7½	9 47.76	4,026	54 23 52.5	0,857	315
12097	Auriga	8	9 48.25	4,227	49 6 35.4	0,858	6
12098	Auriga	8	9 49.07	4,227	49 6 25.0	0,859	207
12099	Auriga	9	9 49.85	4,417	44 44 55.4	0,860	383
12100	Auriga	7	9 51.89	4,329	46 41 4.0	0,863	143
12101	Gemini	9½	9 56.16	3,743	63 15 12.7	0,869	145
12102	Gemini	9½	9 56.20	3,745	63 10 10.6	0,869	145
12103	Gemini	9½	9 56.66	3,743	63 14 50.7	0,870	145
12104	Orion	6	9 58.63	3,003	92 52 15.4	0,873	252
12105	Orion	9	10 0.65	3,246	82 28 12.6	0,876	44
12106	Orion	9	10 2.17	3,301	80 11 47.0	0,878	210
12107	Canis Major ..	9	10 3.14	2,774	102 27 43.6	0,880	270
12108	Orion	8½	10 3.68	3,301	80 9 46.0	0,880	210
12109	Monoceros....	8½	10 9.21	2,877	98 11 55.9	0,888	267
12110	Orion	9	10 11.40	3,023	91 58 44.4	0,892	252
12111	Auriga	8	10 11.80	3,782	61 55 59.0	0,892	144
12112	Monoceros....	8	10 14.35	2,901	97 10 32.1	0,896	264
12113	Orion	8	10 16.17	3,248	82 23 12.5	0,899	44
12114	Auriga	9	10 17.34	3,983	55 39 2.5	0,900	209
12115	Auriga	7	10 18.28	4,343	46 21 56.0	0,902	143
12116	Canis Major ..	9½	10 18.65	2,505	112 54 14.4	0,902	322
12117	Orion	9	10 23.40	3,063	91 17 24.1	0,909	50
12118	Canis Major ..	6	10 26.60	2,561	110 51 14.1	0,914	320
12119	Auriga	8½	10 27.53	3,766	62 28 26.6	0,915	144
12120	Orion	7	6 10 29.65	+3,377	77 3 28.2	+0,918	311

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12121	Orion	6	6 10 29,70	+3,377	77 3 31,5	+0,918	313
12122	Auriga	8½	10 29,79	4,516	43 22 40,9	0,918	383
12123	Orion	9	10 29,85	3,089	89 10 29,3	0,919	48
12124	Canis Major ..	8	10 31,44	2,531	111 57 57,9	0,921	322
12125	Auriga	8	10 31,67	3,774	62 11 16,3	0,921	144
12126	Monoceros....	8½	10 34,48	2,932	95 51 56,6	0,925	264
12127	Auriga	8	10 38,41	3,758	62 43 37,8	0,931	144
12128	Auriga	9½	10 40,71	4,299	47 21 59,9	0,934	207
12129	Auriga	8	10 41,98	4,138	51 20 22,6	0,936	208
12130	Orion	9	10 42,29	3,484	72 45 53,1	0,937	255
12131	Auriga	9	10 48,28	4,228	49 3 36,0	0,945	6
12132	Monoceros....	8	10 48,85	2,818	100 38 56,5	0,946	269
12133	Auriga	9	10 49,04	3,918	57 33 29,1	0,946	141
12134	Auriga	7½	10 50,53	4,091	52 35 52,5	0,949	208
12135	Canis Major ..	7	10 50,69	2,650	107 27 7,4	0,949	318
12136	Gemini μ	3	10 51,13	3,626	67 23 50,5	0,950	310
12137	Gemini μ	3	10 51,58	3,626	67 23 53,6	0,950	253
12138	Gemini μ	3	10 51,84	3,626	67 23 51,5	0,951	272
12139	Gemini μ	3	10 51,95	3,626	67 23 52,1	0,951	316
12140	Monoceros....	7½	10 53,35	2,815	100 48 18,0	0,953	269
12141	Orion	9	10 53,41	3,426	75 2 58,7	0,953	262
12142	Canis Major ..	9	10 56,20	2,648	107 30 8,7	0,957	318
12143	Monoceros....	7½	10 56,65	2,964	94 30 59,2	0,957	258
12144	Monoceros....	9	10 57,88	2,826	100 20 43,4	0,959	269
12145	Auriga	8	10 59,88	3,756	62 47 50,0	0,962	144
12146	Orion	8½	11 0,73	3,124	87 38 57,5	0,964	48
12147	Canis Major ..	9	11 9,74	2,646	107 36 46,6	0,977	318
12148	Gemini	7½	11 10,38	3,495	72 20 30,9	0,978	255
12149	Orion	8	11 11,39	3,043	91 8 27,2	0,979	50
12150	Canis Major ..	6½	11 12,54	2,529	112 1 46,6	0,981	322
12151	Monoceros....	.	11 14,28	2,915	96 36 50,9	0,983	264
12152	Monoceros....	9	11 16,42	2,970	94 16 12,7	0,986	258
12153	Auriga	9	11 19,19	3,966	55 31 9,8	0,990	209
12154	Orion	8	11 21,58	3,126	87 34 26,5	0,994	48
12155	Orion	6	11 22,69	3,370	77 20 44,8	0,995	311
12156	Orion	6	11 23,21	3,370	77 20 44,0	0,996	313
12157	Gemini	9	11 23,87	3,726	63 49 1,8	0,997	145
12158	Gemini	8½	11 23,91	3,641	66 49 44,5	0,997	316
12159	Auriga	11 23,96	4,497	43 6 9,2	0,997	383
12160	Auriga	8½	6 11 24,36	+4,497	43 6 11,7	+0,998	377

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12161	Auriga	8½	6 11 31,32	+4,397	45 10 30,5	+1,008	143
12162	Gemini	9	11 32,01	3,702	64 39 49,5	1,009	145
12163	Orion	9	11 38,58	3,451	74 4 17,8	1,019	262
12164	Orion	8	11 39,13	3,364	77 33 15,1	1,020	311
12165	Canis Major ..	9	11 41,08	2,795	101 35 55,6	1,022	270
12166	Gemini	8½	11 41,59	3,490	72 31 23,2	1,023	255
12167	Gemini	8	11 42,05	3,707	64 29 52,5	1,023	145
12168	Gemini	8½	11 42,50	3,707	64 29 39,0	1,024	310
12169	Canis Major ..	7	11 46,34	2,792	101 44 17,2	1,030	270
12170	Gemini	8½	11 53,70	3,494	72 15 40,0	1,041	255
12171	Orion	8½	11 58,00	3,432	74 48 38,7	1,047	262
12172	Monoceros....	8½	11 59,15	2,938	95 37 24,2	1,049	264
12173	Auriga	8	11 59,50	4,118	51 51 36,4	1,049	208
12174	Canis Major ..	8	12 0,23	2,664	106 53 44,7	1,051	323
12175	Orion	9	12 3,17	3,311	79 44 46,1	1,054	210
12176	Canis Major ..	6	12 5,56	2,793	101 41 35,1	1,058	270
12177	Auriga	8	12 5,85	3,834	60 12 3,7	1,059	52
12178	Monoceros....	7½	12 5,99	2,878	98 9 8,2	1,059	267
12179	Auriga	9½	12 6,18	4,401	45 5 35,7	1,059	143
12180	Auriga	8	12 7,27	4,274	47 56 42,8	1,060	207
12181	Gemini	8½	12 7,80	3,503	72 1 40,7	1,061	255
12182	Auriga	7	12 9,90	3,916	57 38 8,8	1,064	141
12183	Auriga	8	12 10,01	4,191	49 58 37,1	1,064	6
12184	Monoceros....	7½	12 10,98	3,170	85 42 5,2	1,066	257
12185	Orion	7½	12 11,18	3,406	75 52 16,1	1,066	313
12186	Monoceros....	8	12 13,93	2,844	99 36 2,2	1,070	269
12187	Canis Major ..	9	12 14,18	2,672	106 35 51,2	1,071	323
12188	Canis Major ..	8	12 14,41	2,639	107 52 34,1	1,071	318
12189	Gemini	9	12 14,73	3,688	65 8 54,9	1,071	310
12190	Gemini	8	12 15,45	3,675	65 36 20,4	1,073	316
12191	Monoceros....	8½	12 17,46	2,961	94 40 9,9	1,075	258
12192	Auriga	8	12 18,40	4,599	41 7 45,2	1,076	377
12193	Auriga	8	12 21,44	4,208	49 32 51,8	1,081	6
12194	Monoceros....	.	12 22,11	2,944	95 22 20,7	1,082	264
12195	Monoceros....	8	12 22,59	2,879	98 8 41,3	1,082	267
12196	Auriga	8½	12 23,10	3,783	61 52 29,8	1,083	144
12197	Gemini	7	12 24,15	3,696	64 51 42,5	1,085	310
12198	Auriga	9	12 24,25	3,948	56 39 28,0	1,085	209
12199	Gemini	6½	12 24,35	3,696	64 51 39,2	1,085	145
12200	Canis Major ..	8	6 12 24,69	+2,668	106 43 22,9	+1,086	323

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12201	Orion	8	6 12 30,30	+3,330	78 58 41,2	+1,094	311
12202*	Orion	8	12 32,38	3,408	75 47 48,3	1,097	313
12203	Orion	8	12 38,77	3,052	90 44 46,2	1,106	50
12204	Orion	8	12 40,78	3,451	74 3 25,9	1,109	262
12205	Monoceros	9	12 40,89	2,948	95 11 30,2	1,109	264
12206	Auriga	8	12 41,10	4,203	49 41 16,2	1,110	6
12207	Canis Major ..	8½	12 43,37	2,523	112 15 34,0	1,113	323
12208	Canis Major ..	8	12 50,89	2,634	108 4 40,8	1,124	318
12209	Auriga	7	12 51,00	4,527	42 29 50,1	1,124	377
12210	Monoceros	8½	12 57,47	2,945	95 19 45,7	1,133	264
12211	Canis Major ..	8½	12 59,14	2,590	109 45 23,4	1,136	320
12212	Monoceros	7	13 2,05	2,995	93 11 20,1	1,140	252
12213	Auriga	9	13 2,16	3,944	56 46 41,4	1,140	209
12214	Monoceros	7	13 2,17	2,995	93 11 21,3	1,140	258
12215	Monoceros	8	13 3,78	3,287	80 44 18,9	1,143	210
12216	Monoceros	7	13 6,25	3,280	81 1 35,3	1,147	210
12217	Gemini	7	13 6,53	3,659	66 11 43,2	1,147	316
12218	Canis Major ..	9	13 7,06	2,527	112 6 59,7	1,148	323
12219	Monoceros	8	13 7,62	2,990	93 25 37,7	1,148	252
12220	Monoceros	8	13 8,10	2,990	93 25 37,1	1,149	258
12221	Monoceros	4	13 10,03	3,179	85 19 1,9	1,152	257
12222	Monoceros	8½	13 10,29	3,179	85 18 51,9	1,152	257
12223	Monoceros	6½	13 10,38	3,179	85 18 59,5	1,153	46
12224	Monoceros	7	13 11,10	3,179	85 18 41,5	1,153	46
12225	Auriga	8	13 14,44	3,974	55 53 26,8	1,158	209
12226	Monoceros	8½	13 20,33	3,134	87 14 35,7	1,167	48
12227	Gemini	7½	13 20,74	3,456	73 50 46,0	1,168	262
12228	Gemini	7	13 21,20	3,651	66 27 45,5	1,168	316
12229	Monoceros	8½	13 22,76	3,257	82 0 47,6	1,170	44
12230	Monoceros	7½	13 26,67	3,338	78 38 56,0	1,176	312
12231	Gemini	7½	13 29,20	3,624	67 26 46,3	1,180	272
12232	Gemini	7½	13 29,57	3,478	72 54 41,1	1,180	255
12233	Auriga	8	13 35,59	4,023	54 28 18,2	1,190	315
12234	Monoceros	9	13 36,38	3,269	81 30 36,8	1,191	44
12235	Orion	8½	13 39,80	3,071	89 55 51,0	1,195	50
12236	Gemini	7½	13 41,83	3,602	68 15 32,0	1,198	310
12237	Gemini	9	13 45,58	3,709	64 23 23,3	1,203	145
12238	Auriga	9	13 48,86	4,474	43 32 35,3	1,209	383
12239	Canis Major ..	9	13 52,08	2,526	112 9 42,3	1,214	322
12240	Gemini	8	6 13 52,12	+3,712	64 18 19,2	+1,214	145

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12241	Canis Major β	2	6 13 52.87	+2,639	107 52 5.5	+1,214	320
12242	Canis Major β	2	13 53.51	2,639	107 52 1.2	1,215	323
12243	Canis Major β	2	13 53.65	2,639	107 52 4.6	1,215	318
12244	Monoceros....	8	14 0.95	2,961	94 38 8.4	1,226	258
12245	Gemini	7	14 3.15	3,423	75 10 51.6	1,229	262
12246	Gemini	6½	14 3.58	3,423	75 10 49.8	1,230	313
12247	Canis Major ..	8	14 3.71	2,516	112 30 30.5	1,230	322
12248	Auriga	8½	14 5.74	4,341	46 23 23.5	1,233	143
12249	Orion	8	14 7.85	3,055	90 38 58.8	1,236	50
12250	Monoceros....	7	14 7.88	2,840	99 46 58.3	1,236	269
12251	Gemini	8½	14 10.88	3,631	67 10 55.2	1,241	272
12252	Monoceros....	8½	14 13.07	3,186	85 1 50.5	1,244	46
12253	Monoceros....	7½	14 14.07	3,337	78 39 56.2	1,246	312
12254	Canis Major ..	7	14 14.15	2,718	104 44 31.8	1,246	317
12255	Monoceros....	8	14 18.59	3,287	80 44 17.4	1,251	210
12256	Gemini	9	14 18.89	3,632	67 9 40.3	1,252	272
12257	Gemini	7	14 20.18	3,407	75 48 35.7	1,254	313
12258	Auriga	8	14 22.68	4,020	54 33 2.3	1,256	315
12259	Canis Major ..	8	14 25.40	2,633	108 7 53.5	1,262	318
12260	Orion	7½	14 26.32	3,039	91 19 20.9	1,263	252
12261	Monoceros....	9	14 26.89	2,859	98 58 27.5	1,264	267
12262	Gemini	7½	14 26.97	3,526	71 8 7.5	1,264	255
12263	Monoceros....	8	14 29.07	3,336	78 42 11.2	1,267	312
12264	Auriga	8½	14 29.61	3,823	60 32 54.2	1,268	52
12265	Auriga	8	14 29.84	4,050	53 41 39.6	1,269	315
12266	Auriga	7	14 30.45	3,925	57 19 55.5	1,269	141
12267	Auriga	7	14 30.63	3,926	57 19 52.3	1,270	209
12268	Monoceros....	7½	14 33.57	3,337	78 40 45.2	1,274	312
12269	Gemini	8	14 34.01	3,434	74 44 57.3	1,275	262
12270	Gemini	8½	14 34.67	3,410	75 42 12.6	1,275	313
12271	Auriga	9	14 41.36	4,045	53 50 39.8	1,284	315
12272	Canis Major ..	6	14 43.02	2,713	104 58 34.8	1,287	317
12273	Auriga	8	14 44.24	3,832	60 15 19.2	1,289	52
12274	Monoceros....	7	14 45.06	3,335	78 46 27.3	1,290	312
12275	Canis Major ..	7½	14 46.74	2,677	106 22 32.6	1,293	323
12276	Auriga	8½	14 47.01	3,936	57 1 15.2	1,293	209
12277	Canis Major ..	7	14 47.88	2,613	108 54 13.3	1,294	318
12278	Canis Major ..	6	14 50.58	2,800	101 26 0.9	1,298	270
12279	Canis Major ..	6	14 50.69	2,800	101 25 56.3	1,298	269
12280	Orion	6 14 56.76	+3,107	88 23 55.1	+1,307	48

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12281	Monoceros....	8	6 14 58.91	+2,907	95 24 16.4	+1,310	264
12282	Canis Major ..	8	14 59.08	2,582	110 5 2.3	1,311	320
12283	Orion .....	.	15 2.86	3,050	90 50 5.7	1,316	50
12284	Orion	6½	15 3.26	3,050	90 50 6.9	1,317	252
12285	Auriga	6½	15 5.86	4,490	43 12 18.1	1,320	383
12286	Auriga	7	15 5.88	4,490	43 12 18.5	1,320	377
12287	Canis Major ..	6½	15 7.12	2,765	102 52 1.5	1,322	270
12288	Canis Major ..	7	15 8.99	2,592	109 41 26.3	1,325	320
12289	Gemini	7½	15 9.03	3,443	74 22 21.1	1,325	262
12290	Auriga	8	15 10.96	3,990	55 24 1.0	1,328	209
12291	Gemini	8	15 17.31	3,492	72 26 41.1	1,338	255
12292	Monoceros....	8	15 18.46	3,178	85 22 33.6	1,339	257
12293	Auriga	9	15 18.87	4,061	53 23 58.6	1,340	208
12294	Auriga	8	15 18.90	3,820	60 39 6.1	1,340	144
12295	Auriga	8½	15 19.06	3,820	60 39 6.7	1,340	52
12296	Auriga	7	15 19.32	4,061	53 24 2.5	1,340	315
12297	Monoceros....	9	15 19.69	2,935	95 45 11.6	1,341	264
12298	Canis Major ..	8	15 20.04	2,719	104 44 17.0	1,342	317
12299	Auriga	8	15 20.95	4,180	50 14 13.7	1,343	6
12300	Monoceros....	7½	15 21.27	3,125	87 37 33.7	1,343	48
12301	Canis Major ..	9	15 21.48	2,500	113 6 39.3	1,343	322
12302	Gemini	6½	15 22.05	3,383	76 47 24.1	1,344	313
12303	Monoceros....	8	15 22.99	3,175	85 28 40.8	1,346	257
12304	Canis Major ..	7½	15 24.29	2,684	106 7 44.4	1,348	323
12305	Canis Major ..	9½	15 25.45	2,684	106 7 44.3	1,349	323
12306	Monoceros....	9	15 36.11	2,867	98 37 21.7	1,365	267
12307	Canis Major ..	9	15 40.37	2,758	103 7 46.7	1,371	270
12308	Auriga	6	15 41.98	3,859	59 23 52.0	1,373	141
12309	Monoceros....	8	15 46.46	2,959	94 43 49.0	1,380	258
12310	Monoceros....	8½	15 49.59	2,859	98 59 23.9	1,384	267
12311	Gemini	7½	15 49.91	3,427	75 0 14.9	1,385	262
12312	Monoceros....	8	15 49.92	3,168	85 47 33.4	1,385	257
12313	Gemini	7	15 50.93	3,579	69 6 10.6	1,387	253
12314	Gemini	7	15 51.15	3,579	69 6 5.4	1,387	272
12315	Monoceros ...	8	15 51.62	2,814	100 49 54.5	1,387	269
12316	Monoceros....	6	15 52.55	3,140	86 59 3.5	1,389	257
12317	Monoceros....	9	15 55.07	3,126	87 34 44.0	1,392	48
12318	Canis Major ..	8	15 55.73	2,727	104 24 5.4	1,393	317
12319	Auriga	15 57.91	3,771	62 15 13.8	1,396	144
12320	Gemini	8	6 16 0.44	+3,512	71 40 15.4	+1,400	255

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12321	Gemini	7	6 16 2,85	+3,571	69 23 51,0	+1,404	253
12322*	Auriga	8½	16 3,56	4,360	45 56 45,9	1,405	143
12323	Gemini	6½	16 3,94	3,571	69 23 42,4	1,405	272
12324	Canis Major ..	8	16 4,43	2,711	105 2 22,5	1,406	317
12325	Gemini	7	16 11,55	3,589	68 44 0,2	1,416	272
12326	Auriga	8½	16 13,28	4,065	53 17 2,5	1,419	315
12327	Gemini	8	16 13,32	3,527	71 4 38,9	1,419	255
12328	Auriga	8	16 13,70	4,065	53 17 0,9	1,419	208
12329	Auriga	8	16 13,85	4,358	46 0 14,0	1,419	54
12330	Orion	7½	16 13,85	3,054	90 40 25,9	1,419	50
12331	Canis Major ..	9	16 14,25	2,570	110 32 48,0	1,420	320
12332	Auriga	8	16 15,01	4,358	46 0 13,1	1,421	143
12333	Monoceros....	7	16 15,66	2,887	97 47 30,3	1,422	267
12334	Auriga	7½	16 15,89	4,251	48 28 57,6	1,422	207
12335	Monoceros....	8	16 21,20	2,875	98 18 33,0	1,430	267
12336	Gemini	8½	16 22,09	3,712	64 16 7,5	1,432	310
12337	Gemini	8½	16 22,58	3,712	64 16 9,3	1,432	145
12338	Monoceros....	9	16 22,78	3,289	80 40 41,0	1,432	210
12339	Auriga	7	16 25,34	3,752	62 55 4,4	1,436	144
12340	Gemini	9	16 25,72	3,447	74 11 47,2	1,436	262
12341	Canis Major ..	8	16 27,36	2,736	104 1 31,9	1,439	317
12342	Orion	8½	16 29,87	3,047	90 58 3,7	1,443	50
12343	Orion	6½	16 31,85	3,037	91 24 0,8	1,445	252
12344	Monoceros....	8	16 33,14	2,900	97 15 27,0	1,447	264
12345	Monoceros....	9	16 34,03	3,234	82 57 34,8	1,449	44
12346	Gemini	8	16 34,05	3,518	71 25 19,3	1,449	255
12347	Canis Major ..	8	16 35,56	2,535	111 51 28,2	1,451	322
12348	Auriga	9	16 38,31	3,754	62 51 16,5	1,455	144
12349	Auriga	8½	16 38,50	3,827	60 24 20,5	1,455	52
12350	Monoceros....	7½	16 39,54	3,092	89 3 2,4	1,456	48
12351	Monoceros....	6½	16 41,43	2,965	94 29 29,7	1,460	258
12352	Monoceros....	8	16 43,26	3,299	80 15 56,6	1,462	210
12353	Orion	8½	16 47,86	3,048	90 56 38,8	1,469	50
12354	Monoceros....	8	16 49,09	3,193	84 42 59,4	1,471	46
12355	Monoceros....	8½	16 50,88	2,836	99 56 11,7	1,473	269
12356	Gemini	7	16 56,95	3,461	73 38 50,7	1,482	262
12357	Gemini	8½	16 59,97	3,704	64 34 13,8	1,487	145
12358	Gemini	9	17 1,11	3,564	69 38 54,6	1,488	253
12359	Monoceros....	8	17 3,90	2,968	94 21 7,5	1,492	258
12360	Auriga	9½	6 17 3,97	+3,933	57 5 33,0	+1,492	209

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12361	Gemini	6	6 17 5,10	+3,564	69 40 30,6	+1,494	253
12362	Monoceros	7	17 5,39	2,896	97 24 17,5	1,495	264
12363	Monoceros	9	17 5,58	3,239	82 45 38,8	1,495	44
12364	Monoceros	7½	17 6,39	2,971	94 14 53,2	1,496	258
12365	Monoceros	8½	17 7,17	3,310	79 45 59,9	1,497	210
12366	Auriga	7	17 7,56	4,184	50 7 34,7	1,497	6
12367	Auriga	9	17 10,50	3,771	62 15 34,3	1,502	144
12368	Auriga	8	17 12,49	4,350	46 10 12,6	1,505	54
12369	Auriga	8	17 12,82	4,350	46 9 58,6	1,505	143
12370	Canis Major ..	7½	17 13,11	2,561	110 52 5,5	1,505	320
12371	Monoceros	6½	17 15,68	3,315	79 35 4,7	1,510	210
12372*	Gemini	6½	17 23,40	3,647	66 34 39,3	1,521	316
12373	Gemini	8	17 25,32	3,499	72 7 54,3	1,524	255
12374	Auriga	8½	17 33,48	4,002	55 2 25,2	1,536	315
12375	Monoceros	8½	17 35,10	3,195	84 36 55,7	1,538	46
12376	Canis Major ..	8	17 36,14	2,675	106 29 41,7	1,539	323
12377	Canis Major ..	6½	17 37,79	2,725	104 29 40,2	1,542	317
12378	Auriga	9½	17 37,90	3,903	58 0 41,4	1,542	141
12379	Monoceros	8½	17 42,99	3,010	92 32 46,8	1,549	252
12380	Auriga	7	17 44,62	3,788	61 40 18,0	1,552	144
12381	Camelopardus .	9½	17 45,30	9,140	12 23 17,4	1,552	366
12382	Canis Major ..	7	17 46,68	2,605	109 13 1,8	1,554	318
12383	Canis Major ..	8	17 46,77	2,583	110 4 3,7	1,554	320
12384	Auriga	9	17 51,80	4,382	45 27 44,2	1,563	143
12385	Monoceros	8	17 52,90	3,117	87 58 24,8	1,563	48
12386	Monoceros	7	17 53,43	3,332	78 51 49,1	1,564	312
12387	Auriga	7½	17 54,45	4,085	52 42 2,1	1,566	208
12388	Auriga	9	17 57,14	4,095	52 26 25,9	1,570	208
12389	Auriga	•	17 58,82	3,838	60 2 59,6	1,572	52
12390	Auriga	9	18 2,21	4,373	45 39 2,7	1,577	54
12391	Auriga	8½	18 3,29	4,373	45 39 5,5	1,579	143
12392	Monoceros	8½	18 4,02	3,330	78 56 50,2	1,580	312
12393	Monoceros	5½	18 4,66	2,961	94 38 59,5	1,581	258
12394	Canis Major ..	8	18 4,94	2,665	106 53 23,9	1,581	323
12395	Gemini	9	18 7,65	3,714	64 11 55,0	1,585	145
12396	Gemini	8	18 10,68	3,496	72 15 33,7	1,589	255
12397	Auriga	9	18 11,91	4,576	41 30 10,8	1,591	377
12398	Auriga	7½	18 14,92	4,479	43 23 55,5	1,595	383
12399	Gemini	•	18 16,25	3,720	63 59 47,8	1,597	145
12400	Auriga	8	6 18 16,81	+4,484	43 17 58,4	+1,599	383

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12401	Auriga	8½	h m s 6 18 16,88	+4,516	42° 39' 27,2	+1,599	377
12402	Gemini	7½	18 17,09	3,626	67 20 11,5	1,599	272
12403	Canis Major ..	8½	18 19,86	2,707	105 12 19,7	1,603	317
12404	Auriga	9	18 20,53	3,911	57 45 36,5	1,603	141
12405	Gemini	8½	18 20,80	3,503	71 58 33,5	1,604	255
12406	Canis Major ..	8½	18 21,33	2,648	107 33 23,5	1,604	318
12407	Orion	8	18 26,34	3,056	90 36 21,9	1,612	50
12408	Canis Major ..	9	18 26,82	2,798	101 30 33,5	1,613	269
12409	Monoceros....	9	18 27,88	2,897	97 23 17,6	1,614	267
12410	Auriga	8	18 28,41	4,064	53 16 39,8	1,615	315
12411	Gemini	8½	18 28,45	3,654	66 20 30,3	1,615	316
12412	Orion	8½	18 28,56	3,035	91 28 29,4	1,615	252
12413	Monoceros....	9	18 32,17	3,248	82 22 55,9	1,621	44
12414	Auriga	8	18 34,67	3,912	57 42 41,4	1,625	141
12415	Canis Major ..	8	18 34,82	2,807	101 8 44,4	1,625	269
12416	Orion	7½	18 35,33	3,059	90 27 24,8	1,625	50
12417	Canis Major ..	8	18 35,46	2,708	105 11 31,6	1,626	317
12418	Canis Major ..	8	18 36,65	2,576	110 18 29,6	1,628	320
12419	Monoceros....	8½	18 37,02	3,323	79 13 5,7	1,628	210
12420	Monoceros....	8	18 37,03	3,323	79 12 59,7	1,628	312
12421	Gemini	8½	18 40,43	3,417	75 22 46,8	1,632	313
12422	Gemini	8½	18 40,92	3,417	75 22 38,0	1,633	262
12423	Gemini	8½	18 44,32	3,504	71 55 51,5	1,639	255
12424	Gemini	8½	18 46,82	3,569	69 27 26,8	1,643	253
12425	Canis Major ..	7½	18 46,84	2,761	103 2 51,3	1,643	270
12426	Monoceros....	7	18 47,62	3,134	87 14 1,7	1,644	257
12427	Monoceros....	7½	18 48,07	3,134	87 13 59,8	1,644	48
12428	Monoceros....	9	18 48,43	3,014	92 23 31,8	1,644	252
12429	Monoceros....	8	18 52,00	3,172	85 37 41,9	1,649	257
12430	Canis Major ..	.	18 54,96	2,602	109 20 24,5	1,654	320
12431	Gemini	8	18 56,36	3,606	68 4 26,3	1,656	272
12432	Monoceros....	8½	19 0,80	2,909	96 51 15,5	1,663	264
12433	Monoceros....	8	19 1,20	2,874	98 21 6,9	1,663	267
12434	Monoceros....	8½	19 1,83	3,239	82 44 26,8	1,663	44
12435	Canis Major ..	7½	19 2,22	2,531	112 0 42,9	1,664	322
12436	Auriga	8½	19 4,07	3,793	61 29 36,4	1,666	144
12437	Auriga .....	.	19 4,56	4,184	50 5 20,1	1,667	6
12438	Canis Major ..	7½	19 4,61	2,763	102 56 18,0	1,667	270
12439	Monoceros....	7½	19 7,06	2,908	96 54 57,8	1,671	264
12440	Monoceros....	8½	6 19 7,21	+3,239	82 46 4,9	+1,671	44

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12441	Monoceros....	6½	6 19 7.76	+2,908	96° 55' 5.8	+1,672	264
12442	Monoceros....	7	19 8.93	3,284	80 51 5.2	1,674	210
12443	Monoceros....	8½	19 13.00	2,874	98 21 44.0	1,680	267
12444	Auriga	6	19 16.75	4,017	54 34 41.0	1,686	315
12445	Monoceros....	9	19 17.94	3,021	92 6 1.3	1,688	252
12446	Camelopárdus .	9	19 18.65	6,282	22 31 53.5	1,689	376
12447	Canis Major ..	8	19 22.03	2,764	102 55 55.0	1,693	270
12448	Auriga	6	19 23.27	4,009	54 48 32.4	1,695	315
12449	Auriga	6	19 24.09	3,921	57 25 9.5	1,696	141
12450	Auriga	9	19 26.46	4,083	52 45 22.5	1,699	208
12451	Auriga	9	19 32.19	4,323	46 45 35.1	1,708	143
12452	Canis Major ..	7½	19 34.76	2,540	111 40 57.0	1,712	322
12453	Canis Major ..	.	19 36.93	2,602	109 20 45.2	1,715	320
12454	Gemini	8	19 45.22	3,491	72 27 20.4	1,727	255
12455	Canis Major ..	7½	19 45.45	2,534	111 53 20.1	1,728	322
12456	Canis Major ..	5½	19 45.88	2,653	107 20 56.6	1,728	323
12457	Canis Major ..	6	19 46.10	2,653	107 20 58.6	1,728	318
12458	Gemini	9	19 48.22	3,448	74 8 12.0	1,731	262
12459	Auriga	7½	19 48.49	4,171	50 25 16.1	1,732	6
12460	Monoceros....	8	19 51.15	3,209	84 0 38.8	1,736	46
12461	Monoceros....	7½	19 54.48	3,173	85 32 42.2	1,740	257
12462	Gemini	7½	19 56.29	3,616	67 41 14.1	1,743	272
12463	Gemini	9	19 59.88	3,556	69 57 22.6	1,748	253
12464	Gemini	8	20 0.76	3,451	74 1 11.9	1,750	262
12465	Monoceros....	6	20 1.64	3,338	78 37 24.0	1,751	312
12466	Auriga	8½	20 4.63	4,554	41 54 1.7	1,755	377
12467	Gemini	8	20 5.04	3,440	74 27 4.4	1,756	262
12468	Monoceros....	9	20 5.28	3,072	89 54 16.4	1,756	50
12469	Gemini	7½	20 6.78	3,452	73 58 11.9	1,758	262
12470	Canis Major ..	7½	20 7.31	2,802	101 20 33.4	1,759	269
12471	Canis Major ..	8½	20 8.63	2,735	104 5 44.9	1,761	317
12472	Monoceros....	9	20 10.65	3,208	84 4 39.1	1,764	46
12473	Gemini	8½	20 13.36	3,550	70 9 15.9	1,768	253
12474	Auriga	9	20 15.04	3,853	59 32 38.3	1,770	52
12475	Auriga	7½	20 15.05	4,321	46 47 54.6	1,770	54
12476	Auriga	8	20 15.92	4,321	46 47 56.4	1,771	143
12477	Monoceros....	9	20 22.60	3,132	87 20 5.9	1,781	48
12478	Gemini	8½	20 22.69	3,497	72 12 29.2	1,781	255
12479	Monoceros....	9	20 22.97	2,878	98 10 23.7	1,781	267
12480	Monoceros....	8½	6 20 25.46	+3,178	85 21 41.9	+1,785	257

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12481	Monoceros....	8	6 20 26.04	+3,002	92 53 49.4	+1,786	252
12482	Monoceros....	7	20 28,78	3,351	78 4 49.3	1,790	312
12483	Auriga	8½	20 29,09	3,784	61 47 7.3	1,791	144
12484	Canis Major ..	8	20 31,20	2,648	107 33 26.6	1,794	320
12485	Canis Major ..	8	20 31,64	2,645	107 41 34.8	1,795	318
12486*	Auriga	8	20 31,89	3,777	62 2 27.5	1,795	144
12487	Monoceros....	8½	20 33,47	3,289	80 39 22.4	1,797	210
12488	Monoceros....	8½	20 34,72	2,963	94 34 20.0	1,799	258
12489	Auriga	7	20 35,38	3,940	56 50 43.5	1,800	273
12490	Auriga	7	20 35,49	3,940	56 50 43.0	1,800	212
12491	Auriga	7	20 36,56	4,118	51 47 24.2	1,802	208
12492	Gemini	8	20 36,74	3,500	72 5 38.1	1,802	255
12493	Gemini	7	20 37,74	3,500	72 5 20.1	1,803	255
12494	Monoceros....	6	20 38,51	3,345	78 19 45.7	1,804	312
12495	Canis Major ..	9	20 40,17	2,732	104 14 20.7	1,807	317
12496	Auriga	9	20 42,33	3,784	61 47 3.4	1,810	144
12497	Monoceros....	8½	20 43,62	2,820	100 37 35.2	1,811	269
12498	Canis Major ..	7½	20 44,11	2,665	106 53 19.3	1,812	323
12499	Auriga	9	20 50,84	4,437	44 14 20.2	1,823	383
12500	Gemini	8	20 51,21	3,447	74 9 49.3	1,823	262
12501	Gemini	8½	20 52,19	3,497	72 13 19.3	1,824	255
12502	Monoceros....	.	20 55,16	3,140	86 57 42.4	1,828	48
12503	Auriga .....	.	20 55,30	4,136	51 19 28.0	1,828	6
12504	Auriga .....	.	20 55,47	4,136	51 19 28.0	1,829	208
12505	Monoceros....	7½	20 59,15	3,207	84 6 5.5	1,834	46
12506	Monoceros....	9	20 59,96	3,178	85 21 34.1	1,835	257
12507	Monoceros....	8½	21 0,20	2,922	96 18 20.6	1,835	264
12508	Monoceros....	9	21 0,83	2,824	100 28 4.6	1,837	269
12509	Canis Major ..	7	21 1,12	2,519	112 28 4.6	1,837	322
12510	Auriga	8	21 5,77	3,781	61 53 8.5	1,844	144
12511	Monoceros....	6½	21 13,57	3,348	78 11 38.7	1,856	312
12512	Canis Major ..	7	21 14,90	2,804	101 17 17.1	1,858	270
12513	Canis Major ..	8½	21 16,57	2,582	110 6 25.7	1,860	320
12514	Monoceros....	9	21 18,85	2,828	100 16 59.1	1,863	269
12515	Canis Major ..	7	21 22,12	2,762	103 1 21.0	1,867	270
12516	Canis Major ..	8½	21 23,40	2,713	104 58 33.2	1,869	317
12517	Monoceros....	7½	21 24,49	3,213	83 50 1.2	1,871	46
12518	Gemini	8	21 25,85	3,554	70 1 23.0	1,874	253
12519	Auriga	7	21 26,11	4,349	46 9 12.8	1,874	54
12520	Canis Major ..	7	6 21 26,34	+2,717	104 49 37.6	+1,874	317

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12521	Auriga	7½	6 21 26,38	+4,349	46 9 13,4	+1,874	143
12522	Auriga	8	21 27,31	3,753	62 49 9,2	1,875	145
12523	Canis Major ..	8	21 29,81	2,667	106 48 54,2	1,879	323
12524	Canis Major ..	6	21 29,89	2,609	109 5 21,7	1,879	318
12525	Monoceros....	8	21 32,44	3,185	85 2 45,7	1,882	257
12526	Monoceros....	8½	21 35,68	3,318	79 26 41,2	1,887	210
12527	Auriga	9	21 36,94	3,873	58 54 29,0	1,889	141
12528	Auriga	8½	21 40,43	4,301	47 14 40,7	1,894	54
12529	Auriga	8	21 40,93	4,301	47 14 38,4	1,895	143
12530	Auriga	9	21 41,20	4,301	47 14 41,6	1,895	207
12531	Monoceros....	6½	21 42,23	3,186	85 46,6	1,897	257
12532	Auriga	9	21 45,01	3,832	60 11 44,6	1,901	52
12533	Monoceros....	8½	21 45,49	2,948	95 14 19,0	1,901	258
12534	Monoceros....	8	21 46,13	3,312	79 42 3,5	1,902	210
12535	Canis Major ..	8	21 52,28	2,643	107 46 51,5	1,912	320
12536	Gemini	8½	21 53,71	3,620	67 31 22,5	1,914	272
12537	Gemini	8	22 1,01	3,614	67 44 37,8	1,925	272
12538	Auriga	7	22 4,67	3,888	58 25 35,7	1,930	141
12539	Gemini	8	22 4,76	3,615	67 44 13,8	1,930	272
12540	Monoceros....	5½	22 5,23	3,244	82 32 0,0	1,931	44
12541	Canis Major ..	6	22 6,09	2,780	102 15 37,1	1,932	270
12542	Gemini	8½	22 8,32	3,419	75 16 27,8	1,935	262
12543	Canis Major ..	8	22 8,59	2,776	102 25 44,8	1,935	270
12544	Canis Major ..	7	22 13,05	2,527	112 11 36,2	1,942	322
12545	Monoceros....	6	22 13,54	2,882	98 1 28,7	1,942	267
12546	Gemini	6	22 14,21	3,409	75 42 16,0	1,943	313
12547	Camelopardus .	9½	22 27,61	9,031	12 35 2,0	1,963	366
12548	Gemini	8½	22 30,37	3,412	75 33 59,9	1,967	313
12549	Monoceros....	9	22 30,59	2,898	97 10 23,2	1,967	267
12550	Auriga	8	22 33,03	3,925	57 16 56,3	1,971	273
12551	Monoceros....	8	22 34,90	2,900	97 16 31,5	1,973	267
12552	Monoceros....	6½	22 35,39	2,936	95 43 58,5	1,974	264
12553	Auriga	6	22 35,86	3,782	61 50 14,2	1,974	144
12554	Gemini	8	22 43,27	3,692	64 56 15,7	1,986	145
12555	Auriga	9	22 45,48	3,978	55 40 38,8	1,989	212
12556	Monoceros....	8	22 45,92	3,102	88 35 18,8	1,989	48
12557	Gemini	9	22 46,62	3,684	65 13 27,9	1,990	145
12558	Gemini	9	22 46,76	3,471	73 12 50,9	1,991	255
12559	Canis Major ..	8	22 47,15	2,572	110 29 38,8	1,991	320
12560	Auriga	6 22 47,39	+4,132	51 24 36,4	+1,992	6

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12561	Auriga	6	6 22 47,67	+4,132	51 24 30,7	+1,992	208
12562	Monoceros....	9	22 48,06	3,288	80 41 39,3	1,993	210
12563	Auriga	9	22 49,10	3,824	60 27 1,3	1,994	52
12564	Monoceros....	8½	22 49,86	2,948	95 12 22,2	1,995	258
12565	Gemini	7½	22 50,78	3,543	70 25 51,8	1,996	253
12566	Gemini	8	22 56,34	3,424	75 6 23,9	2,004	262
12567	Auriga	7½	22 56,50	3,915	57 33 48,1	2,004	141
12568	Monoceros....	8½	22 57,61	3,242	82 37 19,7	2,006	44
12569	Auriga	9	22 58,31	3,927	57 13 7,2	2,007	273
12570	Canis Major ..	6½	22 59,01	2,552	111 16 32,1	2,008	322
12571	Auriga	9	22 59,85	4,014	54 38 3,7	2,009	315
12572	Auriga	7	23 2,21	3,889	58 22 31,9	2,013	141
12573	Auriga	8½	23 2,50	3,789	61 35 35,2	2,013	144
12574	Monoceros....	8½	23 3,09	2,897	97 22 22,9	2,014	267
12575	Camelopardus .	8	23 5,16	9,443	11 47 33,2	2,017	366
12576	Canis Major ..	6	23 7,59	2,639	107 55 44,8	2,020	318
12577	Monoceros....	8½	23 15,53	3,178	85 20 5,0	2,032	46
12578	Gemini	8	23 16,11	3,376	77 0 50,5	2,033	312
12579	Monoceros....	8½	23 18,04	3,181	85 11 50,8	2,036	46
12580	Monoceros....	9½	23 19,98	3,286	80 46 39,6	2,039	210
12581	Gemini	7½	23 21,80	3,474	73 5 37,0	2,041	255
12582	Canis Major ..	7	23 24,55	2,810	101 1 48,6	2,046	270
12583	Canis Major ..	6	23 24,78	2,810	101 1 45,2	2,046	269
12584	Monoceros....	8	23 26,63	3,286	80 46 27,7	2,048	210
12585	Auriga	8	23 26,97	3,951	56 27 51,6	2,048	212
12586	Gemini	8	23 28,36	3,596	68 25 33,8	2,050	272
12587	Monoceros....	6	23 28,76	3,045	91 4 45,6	2,051	50
12588	Monoceros....	8½	23 29,09	3,192	84 45 34,0	2,052	46
12589	Monoceros....	8½	23 29,11	3,242	82 38 19,0	2,052	44
12590	Gemini	7½	23 29,90	3,438	74 31 32,4	2,053	262
12591	Auriga	9	23 31,45	4,131	51 25 17,9	2,055	208
12592	Canis Major ξ¹	5	23 31,47	2,497	113 17 2,3	2,055	322
12593	Monoceros....	8½	23 35,13	3,243	82 33 47,0	2,061	44
12594	Auriga	9	23 37,14	3,885	58 29 44,3	2,064	141
12595	Auriga	9	23 38,31	4,244	48 33 58,2	2,065	207
12596	Monoceros....	7½	23 40,52	3,140	86 57 45,6	2,068	257
12597	Gemini	8½	23 40,66	3,581	68 57 54,4	2,068	272
12598	Gemini	8½	23 44,19	3,369	77 19 7,7	2,074	312
12599	Gemini	8½	23 49,87	3,531	70 51 6,5	2,082	253
12600	Auriga	9½	6 23 50,17	+3,960	56 12 49,5	+2,083	212

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12601	Monoceros....	7½	6 23 51.55	+3,150	86 33 0.0	+2,085	257
12602	Auriga	9	23 52.25	4,375	45 32 9.5	2,086	54
12603	Gemini	7½	23 52.61	3,372	77 11 10.5	2,086	312
12604	Monoceros....	7½	23 56.19	3,250	82 17 4.7	2,091	44
12605	Canis Major ..	7½	23 57.18	2,648	107 34 16.7	2,092	318
12606	Monoceros....	8	23 57.57	3,189	84 53 11.6	2,093	46
12607	Monoceros....	8	23 59.77	2,905	97 3 48.6	2,096	264
12608	Monoceros....	8	23 59.82	2,905	97 3 48.2	2,096	267
12609	Canis Major ..	7	23 59.83	2,562	110 53 5.0	2,096	320
12610	Auriga	9	24 3.61	3,929	57 7 13.5	2,102	273
12611	Monoceros....	9	24 12.06	3,144	86 47 0.5	2,113	257
12612	Canis Major ..	7½	24 13.81	2,722	104 40 21.5	2,116	317
12613	Gemini	8½	24 14.31	3,386	76 37 53.6	2,117	313
12614	Gemini	8	24 18.16	3,466	73 24 27.5	2,123	255
12615	Gemini	8	24 18.48	3,466	73 24 22.3	2,123	262
12616	Monoceros....	8	24 19.51	3,005	92 45 44.4	2,125	252
12617	Monoceros....	7½	24 21.15	3,002	92 55 49.7	2,127	252
12618	Auriga	8½	24 22.43	3,998	55 4 12.2	2,129	315
12619	Auriga	9	24 23.93	3,845	59 44 54.6	2,131	52
12620	Monoceros....	8	24 25.92	2,959	94 45 26.5	2,133	259
12621	Gemini	7½	24 26.81	3,475	73 3 18.1	2,135	255
12622	Gemini	7½	24 27.11	3,475	73 3 11.0	2,136	262
12623	Auriga	7½	24 30.80	4,256	48 15 52.3	2,142	207
12624	Gemini	8	24 34.28	3,372	77 10 30.3	2,147	313
12625	Monoceros....	.	24 41.23	3,085	89 21 2.6	2,157	50
12626	Monoceros....	8½	24 41.09	3,165	85 53 2.0	2,158	257
12627	Auriga	9	24 44.24	4,157	50 43 34.8	2,162	6
12628	Gemini	7	24 44.83	3,397	76 9 27.2	2,162	313
12629	Auriga	5½	24 47.46	4,168	50 27 4.4	2,166	6
12630	Auriga	8½	24 49.44	4,252	48 20 56.4	2,169	207
12631	Auriga	5	24 52.61	4,187	49 56 30.9	2,174	6
12632	Canis Major ..	6	24 53.63	2,565	110 46 49.3	2,175	320
12633	Canis Major ..	8	24 53.73	2,586	109 59 47.6	2,175	320
12634	Canis Major ..	9	24 53.77	2,722	104 39 0.4	2,175	317
12635	Canis Major ..	8½	24 54.30	2,507	112 55 35.3	2,176	322
12636	Auriga	9	24 55.46	4,000	55 0 17.3	2,178	315
12637	Monoceros....	7	24 56.35	3,094	88 57 46.7	2,179	48
12638	Canis Major ..	7½	24 56.79	2,575	110 24 33.6	2,180	320
12639	Monoceros....	7	24 57.21	3,094	88 57 45.9	2,180	50
12640	Monoceros....	9	6 24 57.64	+2,930	95 59 55.7	+2,181	264

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12641	Monoceros....	9	6 24 59.19	+2,964	94 32 8.1	+2,183	259
12642	Auriga	6	25 2,13	4,294	47 21 11.5	2,187	208
12643	Monoceros....	8½	25 7.13	3,314	79 33 56.5	2,195	210
12644	Canis Major ..	7½	25 9.92	2,809	101 5 0.0	2,199	269
12645	Canis Major ..	8½	25 10.25	2,606	109 13 9.8	2,199	320
12646	Gemini	6½	25 11.12	3,682	65 15 22.2	2,200	316
12647	Gemini	6½	25 11.40	3,682	65 15 22.0	2,201	145
12648	Auriga	7½	25 11.89	3,870	58 57 25.4	2,201	141
12649	Monoceros....	8½	25 13.23	3,085	89 20 42.8	2,203	50
12650	Gemini	8	25 14.77	3,535	70 41 8.7	2,206	253
12651	Gemini	9	25 16.62	3,482	72 44 57.1	2,208	255
12652	Canis Major ..	8	25 21.40	2,692	105 52 11.8	2,215	323
12653	Monoceros....	8½	25 24.40	2,962	94 38 28.5	2,219	259
12654	Camelopardus .	8½	25 25.09	9,475	11 43 18.1	2,220	366
12655	Gemini	8	25 26.63	3,615	67 41 53.6	2,222	272
12656	Auriga	6½	25 26.76	4,361	45 49 36.6	2,223	54
12657	Auriga .....	.	25 27.56	3,880	58 37 35.2	2,224	141
12658	Monoceros....	8½	25 29.93	3,021	92 5 11.9	2,227	252
12659	Canis Major ..	8½	25 33.52	2,691	105 53 25.1	2,232	323
12660	Gemini	7	25 41.37	3,652	66 19 30.3	2,244	316
12661	Auriga	6	25 41.73	3,811	60 51 34.1	2,245	52
12662	Auriga	6½	25 41.81	3,811	60 51 31.6	2,245	144
12663	Auriga	9	25 41.86	3,946	56 35 13.6	2,245	273
12664	Auriga	9½	25 41.99	3,946	56 35 18.5	2,245	212
12665	Monoceros....	8	25 43.00	3,215	83 45 54.4	2,246	46
12666	Gemini	9	25 44.71	3,689	65 0 32.0	2,249	145
12667	Monoceros....	9	25 45.09	2,901	97 13 30.1	2,249	267
12668	Auriga	8½	25 45.87	3,945	56 37 34.6	2,250	273
12669	Auriga	9	25 45.99	3,945	56 37 40.5	2,251	212
12670	Auriga	7	25 46.23	3,938	56 49 24.8	2,251	273
12671	Canis Major ..	8	25 46.27	2,776	102 27 4.9	2,251	270
12672	Canis Major ..	8	25 46.52	2,621	108 39 52.9	2,251	318
12673	Auriga	8	25 46.73	3,938	56 49 27.7	2,252	212
12674	Monoceros....	8	25 51.99	2,999	93 2 20.3	2,259	252
12675	Monoceros....	9	25 58.61	2,937	95 43 21.5	2,269	264
12676*	Auriga	5½	26 1.68	4,294	47 21 6.0	2,273	54
12677	Gemini	6½	26 3.80	3,678	65 23 27.5	2,276	145
12678	Auriga	7½	26 7.40	3,897	54 4 39.9	2,281	141
12679	Canis Major ..	8	26 7.69	2,591	109 48 20.3	2,282	320
12680	Gemini γ	2½	6 26 8.91	+3,465	73 26 33.8	+2,284	262

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12681	Gemini γ	3½	6 26 9.57	+3.465	73 26 35.7	+2.284	253
12682	Canis Major ..	8	26 11.15	2.599	109 29 54.1	2.288	320
12683	Canis Major ..	7	26 11.64	2.599	109 29 59.2	2.288	318
12684	Monoceros....	9	26 16.38	3.098	88 47 31.1	2.295	48
12685	Auriga	7½	26 17.07	4.230	48 52 1.3	2.296	207
12686	Auriga	9	26 17.90	3.892	58 14 56.1	2.297	141
12687	Auriga	8	26 19.00	3.775	62 2 4.9	2.298	144
12688	Gemini	8	26 19.74	3.607	67 59 14.1	2.299	272
12689	Gemini	9	26 23.26	3.454	73 51 23.4	2.304	262
12690	Monoceros....	8½	26 24.10	2.938	95 39 23.4	2.305	264
12691	Monoceros....	9	26 27.68	3.214	83 47 6.9	2.311	46
12692	Monoceros....	7½	26 31.97	3.328	78 59 22.3	2.317	210
12693	Monoceros....	6½	26 31.97	3.328	78 59 19.7	2.317	312
12694	Canis Major ..	7	26 32.76	2.806	101 13 18.8	2.318	269
12695	Canis Major ..	7½	26 33.10	2.806	101 13 23.3	2.319	270
12696	Canis Major ..	8	26 34.52	2.692	105 51 26.2	2.321	323
12697	Auriga	7	26 38.75	4.345	45 30 23.9	2.327	54
12698	Canis Major ξ^2	5	26 40.61	2.511	112 48 56.6	2.330	322
12699	Monoceros....	7½	26 41.19	3.216	83 42 31.8	2.332	46
12700	Gemini	9	26 43.57	3.680	65 18 14.6	2.334	145
12701	Auriga	8½	26 44.07	3.850	59 33 3.6	2.334	52
12702	Monoceros....	6	26 44.14	2.953	95 2 22.9	2.334	259
12703	Auriga	8	26 44.21	4.197	49 40 4.7	2.335	6
12704	Monoceros....	6	26 44.39	2.952	95 3 25.8	2.335	264
12705	Monoceros....	9	26 46.67	2.867	98 39 59.0	2.338	267
12706	Auriga	8	26 48.10	4.543	42 2 23.7	2.341	377
12707	Canis Major ..	7½	26 52.12	2.690	105 57 5.6	2.346	323
12708	Auriga	9½	26 54.85	4.086	52 34 22.0	2.351	208
12709	Auriga	6	26 55.40	3.789	61 34 29.8	2.352	144
12710	Gemini	8½	27 0.47	3.435	74 37 37.4	2.358	262
12711	Monoceros....	8	27 1.40	3.023	92 1 20.3	2.360	252
12712	Gemini	7	27 3.32	3.611	67 48 24.1	2.362	272
12713	Auriga	8	27 9.56	4.440	44 5 55.7	2.371	384
12714	Monoceros ...	7	27 13.57	3.136	87 8 4.0	2.378	257
12715	Gemini	6½	27 13.94	3.682	65 14 35.5	2.378	316
12716	Gemini	6	27 15.43	3.682	65 14 35.8	2.380	145
12717	Monoceros....	8½	27 16.49	3.115	88 1 46.0	2.382	48
12718	Auriga	8	27 17.62	4.160	50 35 58.4	2.383	6
12719	Gemini	8	27 18.29	3.374	77 6 3.7	2.384	313
12720	Gemini	9	6 27 20.29	+3.500	72 3 16.9	+2.387	255

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12721	Monoceros....	8	6 27 25.59	+3,240	82 41 27.2	+2,395	44
12722	Auriga	9	27 25.96	3,847	59 39 54.1	2,395	52
12723	Monoceros....	8½	27 28.06	3,126	87 34 12.1	2,398	48
12724	Gemini	9	27 28.56	3,611	67 50 4.3	2,399	272
12725	Canis Major ..	8	27 28.57	2,805	101 16 17.8	2,400	270
12726	Canis Major ..	7½	27 28.75	2,805	101 16 14.3	2,400	269
12727	Canis Major ..	9	27 31.96	2,748	103 37 59.3	2,404	317
12728	Auriga	8	27 33.66	4,539	42 5 25.4	2,406	377
12729	Monoceros....	8	27 33.80	3,086	89 18 47.0	2,406	50
12730	Monoceros....	9	27 38.70	3,220	83 31 18.0	2,414	46
12731	Canis Major ..	7½	27 39.28	2,604	109 20 11.2	2,415	320
12732	Canis Major ..	8	27 39.76	2,604	109 20 12.5	2,415	318
12733	Auriga	8	27 39.77	3,938	56 48 28.3	2,415	212
12734	Auriga	8	27 40.23	3,938	56 48 26.2	2,416	273
12735	Gemini	9	27 49.65	3,616	67 36 52.1	2,430	272
12736	Monoceros....	8	27 55.81	3,039	91 16 56.8	2,439	252
12737	Monoceros....	8	27 55.92	2,881	98 4 29.5	2,439	267
12738	Gemini	8½	27 55.97	3,498	72 7 57.0	2,439	255
12739	Gemini	8½	27 56.10	3,492	72 20 27.3	2,439	255
12740	Canis Major v²	4	27 57.39	2,610	109 5 39.3	2,441	320
12741	Canis Major v¹	3½	27 57.94	2,610	109 5 38.0	2,442	318
12742	Monoceros....	7½	28 0.73	3,234	82 56 8.9	2,445	44
12743	Monoceros....	9½	28 1.36	2,871	98 29 51.8	2,446	267
12744	Canis Major ..	8	28 3.76	2,684	106 12 4.0	2,450	323
12745	Auriga	8½	28 3.97	3,848	59 37 17.4	2,450	52
12746	Monoceros....	9	28 5.06	3,141	86 54 57.7	2,452	257
12747	Auriga	9	28 6.18	3,918	57 24 53.0	2,453	141
12748	Gemini	8	28 8.98	3,539	70 31 25.2	2,458	253
12749	Monoceros....	9	28 9.02	2,909	96 55 7.4	2,458	264
12750	Monoceros....	8½	28 10.99	3,296	80 18 25.7	2,460	210
12751	Auriga	6½	28 11.27	4,038	53 53 49.9	2,461	315
12752	Monoceros....	8	28 11.30	3,299	80 11 26.6	2,461	210
12753	Gemini	8	28 12.57	3,548	70 10 24.9	2,462	253
12754	Monoceros....	7½	28 15.44	3,111	88 13 18.9	2,467	48
12755	Canis Major ..	7	28 16.68	2,521	112 27 23.8	2,469	322
12756	Monoceros....	8	28 16.99	2,868	98 37 11.3	2,469	267
12757	Monoceros....	7	28 17.41	3,014	92 22 56.4	2,470	252
12758	Canis Major ..	7	28 27.07	2,768	102 48 58.1	2,484	270
12759	Canis Major ..	8	28 28.80	2,531	112 6 27.7	2,486	322
12760	Gemini	9	6 28 30.45	+3,432	74 44 2.9	+2,489	262

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12761	Auriga	5½	6	28	30,73	+4,383	45	17	58,8	+2,490	54
12762	Monoceros....	8½		28	30,88	3,165	85	54	0,1	2,490	257
12763	Monoceros....	8		28	35,53	3,302	80	4	52,5	2,497	210
12764	Gemini .....	.		28	37,08	3,448	74	6	6,2	2,498	262
12765	Auriga	9		28	37,87	4,152	50	47	33,5	2,500	6
12766	Gemini	8½		28	39,45	3,702	64	30	16,8	2,502	145
12767	Monoceros....	9		28	40,83	2,973	94	8	48,2	2,503	259
12768	Gemini	8½		28	43,62	3,925	57	11	30,9	2,508	212
12769	Gemini	8½		28	43,78	3,925	57	11	35,1	2,508	141
12770	Gemini	7		28	43,98	3,786	61	37	58,5	2,508	144
12771	Canis Major ..	8		28	45,27	2,732	104	17	39,6	2,510	317
12772	Gemini	8½		28	46,69	3,582	68	53	27,2	2,512	272
12773	Auriga	7½		28	46,83	4,147	50	55	47,9	2,513	6
12774	Canis Major ..	8		28	47,16	2,596	109	38	4,7	2,513	320
12775	Gemini .....	.		28	47,55	3,348	78	9	6,9	2,514	312
12776	Auriga	8½		28	47,76	4,079	52	43	42,7	2,514	208
12777	Canis Major ..	8		28	49,15	2,668	106	51	6,6	2,516	323
12778	Monoceros....	9		28	49,37	3,167	85	47	3,0	2,516	257
12779	Monoceros....	8½		28	54,22	3,083	89	25	31,0	2,523	50
12780	Gemini	8½		28	55,66	3,497	72	11	12,4	2,531	255
12781	Canis Major ..	8½	29		4,88	2,663	107	3	38,9	2,538	323
12782	Camelopardus .	9	29		5,52	6,291	22	22	46,3	2,540	376
12783	Monoceros....	9	29		5,74	3,076	89	42	36,7	2,540	50
12784	Canis Major ..	4½	29		5,89	2,637	108	4	29,9	2,540	318
12785	Gemini	9	29		7,41	3,762	62	26	0,4	2,542	144
12786	Gemini	8	29		8,54	3,574	69	11	4,0	2,544	272
12787	Gemini	8	29		8,91	3,574	69	11	8,2	2,544	253
12788	Monoceros....	6½	29		10,07	3,214	83	46	40,3	2,546	260
12789	Gemini	8	29		12,84	3,753	62	44	49,8	2,550	144
12790	Auriga	9½	29		13,21	4,536	42	7	59,6	2,550	376
12791	Monoceros....	8½	29		20,00	3,171	85	38	34,8	2,561	257
12792	Gemini	8	29		20,25	3,973	55	43	38,9	2,561	273
12793	Monoceros....	8½	29		28,03	3,303	80	0	47,7	2,572	210
12794	Gemini	9	29		28,25	3,467	73	18	41,6	2,572	262
12795	Gemini	8½	29		28,34	3,556	69	51	40,0	2,572	253
12796	Monoceros....	9	29		28,63	3,264	81	40	50,5	2,572	44
12797	Gemini	10	29		33,03	3,920	57	20	7,3	2,579	212
12798	Auriga	7	29		37,81	4,081	52	40	25,0	2,586	208
12799	Monoceros....	8	29		38,31	3,042	91	12	40,1	2,587	252
12800	Auriga	6	6	29	38,82	+4,083	52	36	28,0	+2,587	315

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12801	Canis Major ..	6½	6 29 40,39	+2,672	106° 42' 25,1	+2,590	323
12802	Gemini	8	29 41,00	3,922	57 15 33,9	2,590	206
12803	Gemini	7	29 41,26	3,922	57 15 55,1	2,591	273
12804	Canis Major ..	9	29 41,27	2,809	101 6 4,3	2,591	269
12805	Gemini	7½	29 41,63	3,922	57 15 54,6	2,592	141
12806	Gemini	7	29 41,78	3,922	57 15 57,3	2,592	212
12807	Monoceros....	8½	29 42,50	3,299	80 10 25,1	2,593	210
12808	Gemini	7½	29 44,77	3,974	55 41 45,0	2,596	273
12809	Gemini	8	29 46,27	3,823	60 23 31,9	2,598	52
12810	Monoceros....	8	29 47,71	3,222	83 27 29,0	2,600	46
12811	Monoceros....	7½	29 47,86	3,222	83 27 30,0	2,601	260
12812	Gemini	9	29 48,56	3,821	60 26 54,9	2,602	52
12813	Gemini	7	29 49,24	3,464	73 25 46,8	2,602	262
12814	Camelopardus .	8½	29 49,81	6,421	21 35 4,9	2,604	376
12815	Gemini	9	29 50,74	3,588	68 38 17,6	2,605	272
12816	Gemini	8	29 51,16	3,706	64 21 16,2	2,605	145
12817	Canis Major ..	9	29 52,10	2,518	112 36 1,3	2,607	322
12818	Auriga	8½	29 53,85	4,076	52 48 33,2	2,609	208
12819	Monoceros....	8	29 57,77	3,295	80 21 37,3	2,615	210
12820	Gemini	9	29 57,96	3,703	64 27 37,2	2,615	145
12821	Monoceros....	8½	29 58,10	3,133	87 16 11,9	2,616	48
12822	Gemini .....	.	29 59,69	3,498	72 6 20,6	2,617	255
12823	Camelopardus .	6	30 1,65	6,313	22 14 1,8	2,620	376
12824	Monoceros....	8½	30 2,39	3,019	92 11 27,5	2,622	252
12825	Canis Major ..	5	30 8,32	2,740	103 58 36,5	2,630	317
12826	Canis Major ..	8½	30 8,94	2,791	101 51 59,8	2,631	270
12827	Monoceros....	4	30 10,45	3,305	79 55 57,6	2,633	210
12828	Auriga	7	30 11,61	4,381	45 18 41,6	2,635	54
12829	Auriga	9	30 15,58	4,450	43 50 31,7	2,640	384
12830	Canis Major ..	7	30 15,60	2,638	108 1 1,9	2,640	318
12831	Auriga	7	30 16,17	4,214	49 11 11,8	2,642	207
12832	Gemini	10	30 18,60	3,980	55 30 28,2	2,645	212
12833	Monoceros....	8	30 21,54	2,970	94 17 24,0	2,650	259
12834	Gemini	8½	30 24,42	3,415	75 24 38,1	2,654	313
12835	Auriga	8½	30 24,88	4,013	54 34 6,7	2,655	315
12836	Monoceros....	8½	30 26,54	3,304	79 58 18,0	2,657	210
12837	Auriga	9	30 26,58	4,504	42 44 59,2	2,657	377
12838	Gemini	7½	30 28,43	3,410	75 36 26,3	2,660	313
12839	Gemini	9	30 30,12	3,525	71 2 16,4	2,662	253
12840	Monoceros....	7½	6 30 33,15	+2,926	96 10 25,9	+2,667	264

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12841	Gemini	9	6 30 36,15	+3,884	58° 26' 42,2	+2,671	141
12842	Gemini	9	30 36,82	3,884	58 26 50,2	2,672	206
12843	Auriga	8	30 36,98	4,075	52 49 27,5	2,672	208
12844	Monoceros....	9	30 39,67	2,833	100 8 17,3	2,675	269
12845	Monoceros....	8½	30 39,95	3,170	85 40 41,3	2,675	257
12846	Camelopardus .	5½	30 41,74	8,902	12 48 8,6	2,679	366
12847	Gemini	9½	30 43,69	3,886	58 22 9,1	2,681	141
12848	Gemini	9	30 43,84	3,886	58 22 13,1	2,681	206
12849	Auriga	6½	30 45,05	4,043	53 42 35,0	2,683	315
12850	Gemini	5½	30 45,36	3,496	72 10 20,7	2,684	255
12851	Gemini	9½	30 45,73	3,749	62 52 37,5	2,685	144
12852	Monoceros....	7½	30 46,54	3,216	83 42 47,6	2,685	260
12853	Monoceros....	8	30 46,69	3,216	83 42 44,0	2,686	46
12854	Monoceros....	9	30 47,54	2,901	97 14 46,0	2,687	264
12855	Monoceros....	7½	30 48,70	3,085	89 19 45,8	2,689	50
12856	Auriga	8	30 53,61	4,369	45 34 13,2	2,696	54
12857	Gemini	9½	30 55,92	3,975	55 38 49,6	2,699	212
12858	Gemini	9	30 56,79	3,975	55 38 42,2	2,700	274
12859	Gemini	9	30 59,60	3,792	61 24 54,3	2,705	144
12860	Monoceros....	8	31 6,37	3,096	88 51 54,8	2,714	48
12861	Canis Major ..	7½	31 11,29	2,661	107 7 18,3	2,721	318
12862	Monoceros....	9	31 13,17	3,248	82 20 31,7	2,724	44
12863	Monoceros....	6½	31 14,91	3,221	83 28 35,4	2,727	260
12864	Auriga	9	31 15,01	4,514	42 31 13,6	2,727	377
12865	Monoceros....	8½	31 15,21	3,221	83 28 35,8	2,727	46
12866	Canis Major ..	6½	31 16,98	2,493	113 31 25,0	2,730	322
12867	Auriga	7½	31 18,48	4,164	50 26 17,9	2,731	6
12868	Gemini	9	31 19,85	3,458	73 40 41,5	2,734	262
12869	Monoceros....	7½	31 22,30	2,897	97 23 52,6	2,737	264
12870	Monoceros....	7	31 22,83	2,898	97 23 50,4	2,738	267
12871	Gemini	9	31 26,73	3,501	71 58 5,9	2,744	255
12872	Monoceros....	8	31 27,61	3,134	87 14 20,5	2,745	48
12873	Monoceros....	8	31 27,65	3,246	82 25 23,8	2,746	44
12874	Monoceros....	7½	31 28,09	3,134	87 14 23,8	2,746	257
12875	Gemini	8	31 28,28	3,504	71 51 20,7	2,746	255
12876	Monoceros....	9	31 32,38	2,888	97 49 3,7	2,752	267
12877	Monoceros....	9	31 32,68	2,888	97 48 50,7	2,752	267
12878	Gemini	8½	31 33,91	3,350	78 2 54,3	2,754	312
12879	Monoceros....	7½	31 35,01	3,149	86 34 17,1	2,755	257
12880	Gemini	3	6 31 37,29	+3,696	64 41 8,7	+2,758	316

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12881	Gemini	8	6 31 37.36	+3,508	71 40 24.5	+2,759	255
12882	Gemini	3	31 37.42	3,696	64 41 11.1	2,759	145
12883	Canis Major ..	8	31 39.60	2,788	102 0 17.8	2,763	270
12884	Gemini	7½	31 39.91	3,762	62 20 8.4	2,763	144
12885	Monoceros....	7½	31 40.75	2,907	96 59 30.5	2,764	265
12886	Auriga	8½	31 44.09	4,126	51 25 42.7	2,769	208
12887	Monoceros....	8	31 53.15	3,140	86 56 59.2	2,782	48
12888	Monoceros....	8	31 53.54	3,140	86 57 1.8	2,783	257
12889	Canis Major ..	7½	31 54.40	2,556	111 12 48.8	2,784	320
12890	Auriga	7½	31 57.11	4,281	47 32 34.1	2,787	207
12891	Auriga	8	31 57.93	4,272	47 45 57.3	2,789	207
12892	Monoceros....	8½	32 1.67	2,888	97 47 45.7	2,795	267
12893	Canis Major ..	9	32 2.63	2,749	103 37 39.2	2,796	317
12894	Auriga	9	32 3.68	4,451	43 47 1.1	2,797	384
12895	Canis Major ..	8½	32 3.93	2,809	101 8 0.0	2,798	269
12896	Gemini	8	32 4.28	3,522	71 9 33.0	2,798	253
12897	Gemini	6	32 4.36	3,808	60 50 32.4	2,799	52
12898	Gemini	9	32 6.13	3,581	68 53 34.5	2,801	272
12899	Auriga	8½	32 7.26	4,103	52 2 0.4	2,802	208
12900	Monoceros....	9	32 14.52	3,003	92 53 6.8	2,813	252
12901	Gemini	8	32 17.39	3,866	58 59 6.3	2,817	206
12902	Gemini	8½	32 17.87	3,866	58 59 8.4	2,818	141
12903	Auriga	6	32 18.45	4,338	46 14 27.3	2,818	54
12904	Canis Major ..	8½	32 18.99	2,745	103 46 5.9	2,819	317
12905	Auriga	9	32 19.97	4,338	46 13 26.3	2,821	54
12906	Auriga	6½	32 23.15	4,592	41 1 4.6	2,825	377
12907	Monoceros....	6½	32 23.82	2,860	98 59 3.7	2,826	267
12908	Monoceros....	6	32 24.18	2,860	98 59 5.8	2,827	269
12909	Monoceros....	9	32 29.55	2,997	93 7 19.4	2,834	252
12910	Monoceros....	9	32 30.14	3,321	79 14 46.7	2,835	210
12911	Monoceros....	8½	32 32.19	3,216	83 41 47.9	2,839	46
12912	Monoceros....	8	32 32.24	3,216	83 41 54.1	2,839	260
12913	Monoceros....	9	32 35.25	3,255	82 1 49.7	2,843	44
12914	Gemini	7	32 35.31	3,576	69 7 14.9	2,843	253
12915	Gemini	7½	32 35.48	3,575	69 7 10.8	2,843	272
12916	Auriga	9½	32 36.66	4,096	52 12 2.6	2,844	208
12917	Monoceros....	6½	32 37.53	3,144	86 46 52.7	2,845	257
12918	Auriga	8½	32 39.77	4,271	47 46 9.6	2,849	207
12919	Monoceros....	8	32 40.18	2,985	93 39 15.1	2,849	259
12920	Gemini	6	6 32 42.30	+3,385	76 34 57.0	+2,853	313

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12921	Gemini	9	6 32 43.94	+3.905	57 44 31.1	+2.855	206
12922	Monoceros	7½	32 44.92	3.210	83 58 0.6	2.857	260
12923	Monoceros	8½	32 45.16	3.210	83 57 53.5	2.857	46
12924	Auriga	9	32 49.37	4.550	41 47 58.8	2.863	377
12925	Gemini	7	32 50.74	3.632	66 58 29.2	2.865	316
12926	Monoceros	7½	32 52.15	2.978	93 57 27.9	2.867	259
12927	Canis Major ..	6½	32 52.73	2.584	110 8 8.1	2.868	320
12928	Gemini	8	32 53.80	3.936	56 46 43.5	2.869	274
12929	Gemini	8	32 53.86	3.936	56 46 44.0	2.869	212
12930	Canis Major ..	9	32 53.92	2.534	112 1 57.8	2.869	322
12931	Gemini	7½	32 57.99	3.579	68 57 3.7	2.876	272
12932	Gemini	8½	32 58.24	3.631	67 1 14.3	2.876	316
12933	Gemini	7	32 58.39	3.579	68 57 7.9	2.876	253
12934	Monoceros	8	32 58.73	3.073	89 50 12.1	2.877	50
12935	Monoceros	8½	32 59.49	3.007	92 42 2.6	2.877	252
12936	Canis Major ..	7	33 0.37	2.694	105 49 36.1	2.878	323
12937	Gemini	9	33 0.39	3.898	57 58 13.4	2.878	206
12938	Canis Major ..	7½	33 0.62	2.537	111 55 27.9	2.879	322
12939	Gemini	9	33 2.00	3.769	62 8 5.9	2.881	144
12940	Monoceros	6½	33 5.76	3.165	85 52 53.2	2.887	257
12941	Gemini	8½	33 7.27	3.683	65 8 14.2	2.889	145
12942	Monoceros	9	33 7.67	3.248	82 19 41.5	2.890	44
12943	Gemini	7½	33 7.89	3.728	63 33 10.7	2.890	145
12944	Canis Major ..	7½	33 11.77	2.823	100 33 58.5	2.896	269
12945	Monoceros	8½	33 11.98	3.010	92 33 53.3	2.896	252
12946	Gemini	7	33 12.44	3.654	66 9 50.5	2.897	316
12947	Canis Major ..	6½	33 19.71	2.586	110 3 55.7	2.907	320
12948	Camelopardus .	9	33 25.67	6.423	21 32 5.3	2.916	376
12949	Monoceros	9	33 26.24	3.218	83 36 59.2	2.916	260
12950	Monoceros	8	33 33.71	3.069	90 1 31.6	2.927	50
12951	Auriga	8½	33 39.16	4.131	51 15 53.2	2.935	208
12952	Monoceros	8	33 41.55	3.220	83 31 34.1	2.939	260
12953	Canis Major ..	8	33 43.56	2.528	112 15 35.1	2.941	322
12954	Gemini	9	33 47.57	3.835	59 57 53.5	2.947	52
12955	Monoceros	8½	33 48.10	3.195	84 36 16.3	2.947	46
12956	Canis Major ..	7	33 51.25	2.752	103 30 36.1	2.952	317
12957	Monoceros	8½	33 53.99	3.325	79 3 15.2	2.957	312
12958	Canis Major ..	7½	33 55.94	2.702	105 32 55.8	2.959	323
12959	Monoceros	7½	33 56.02	3.147	86 40 3.9	2.959	257
12960	Gemini	6 33 57.10	+3.388	76 28 14.1	+2.961	313

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12961	Gemini	9	h m s 6 33 59.41	+3,961	56° 0' 50.9	+2,964	212
12962	Gemini	6½	34 1.34	3,646	66 26 13.9	2,967	316
12963	Gemini	8½	34 2.58	3,441	74 19 30.0	2,969	262
12964	Gemini ξ	5	34 3.45	3,377	76 54 5.6	2,971	313
12965	Gemini ξ	4½	34 3.53	3,377	76 54 1.0	2,971	312
12966	Monoceros....	9	34 4.17	3,247	82 20 39.1	2,971	44
12967	Auriga	8½	34 5.53	4,060	53 9 42.1	2,973	315
12968	Gemini	8½	34 7.88	3,449	73 59 25.6	2,977	262
12969	Canis Major ..	7½	34 12.96	2,699	105 38 50.3	2,985	323
12970	Monoceros....	9	34 14.00	3,300	80 7 11.4	2,985	210
12971	Auriga	8	34 15.58	4,240	48 29 42.6	2,987	207
12972	Monoceros....	8	34 17.46	3,159	86 7 42.1	2,990	257
12973	Canis Major ..	7	34 20.73	2,529	112 15 1.1	2,995	322
12974	Gemini	9	34 21.05	3,939	56 41 27.5	2,995	212
12975	Gemini	8½	34 21.24	3,939	56 41 30.9	2,995	274
12976	Auriga	8½	34 21.25	4,348	45 57 48.1	2,995	54
12977	Monoceros....	8½	34 21.43	3,018	92 14 13.9	2,995	252
12978	Canis Major ..	9½	34 21.74	2,528	112 16 14.4	2,996	322
12979	Monoceros....	8	34 23.92	3,172	85 34 27.1	3,000	257
12980	Canis Major ..	8½	34 24.47	2,589	109 57 55.2	3,000	320
12981	Monoceros....	7½	34 25.84	3,302	80 2 22.5	3,002	210
12982	Gemini	8½	34 27.68	3,461	73 31 15.0	3,005	262
12983	Gemini	9	34 31.55	3,575	69 5 53.4	3,010	272
12984	Monoceros....	8½	34 35.10	3,195	84 35 34.6	3,016	46
12985	Gemini	7½	34 36.27	3,526	70 57 49.4	3,017	253
12986	Gemini	9	34 39.38	3,509	71 36 3.3	3,022	255
12987	Gemini	6	34 39.58	3,372	77 6 42.4	3,022	312
12988	Gemini	7	34 40.27	3,372	77 6 38.0	3,024	313
12989	Gemini	9	34 40.63	3,858	59 10 51.4	3,024	52
12990	Gemini	8½	34 40.92	3,729	63 30 16.3	3,024	145
12991	Canis Major ..	7½	34 42.48	2,694	105 51 34.8	3,026	323
12992	Auriga	8	34 42.67	4,216	49 4 11.1	3,026	207
12993	Gemini	8½	34 44.21	3,736	63 14 31.1	3,029	145
12994	Lynx	9	34 45.81	4,932	35 22 16.2	3,031	382
12995	Gemini	8	34 47.84	3,893	58 5 49.1	3,034	206
12996	Gemini	8	34 54.41	4,012	54 31 43.4	3,044	315
12997	Auriga	7½	34 54.67	4,345	46 2 2.2	3,044	54
12998	Monoceros....	7½	34 56.35	3,051	90 49 36.1	3,047	50
12999	Monoceros....	7½	34 56.73	3,073	89 50 58.1	3,047	50
13000	Gemini	8½	6 34 57.39	+3,843	59 41 3.9	+3,048	52

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13001	Monoceros....	8½	6 34 57.42	+3,180	85 12 34.0	+3,048	46
13002	Monoceros....	8	35 2,66	3,195	84 35 31.1	3,056	260
13003	Gemini	8	35 2,76	3,872	58 45 9.0	3,056	206
13004	Gemini	8½	35 2,82	3,724	63 40 9.4	3,056	145
13005	Gemini	7½	35 11,22	3,614	67 36 2.0	3,067	272
13006	Auriga	8	35 11,43	4,457	43 36 26.1	3,068	384
13007	Monoceros....	8½	35 12,07	2,937	95 44 55.0	3,069	265
13008	Gemini	7½	35 14,47	3,473	73 1 42.0	3,073	255
13009	Gemini	8½	35 15,21	3,962	55 58 31.2	3,073	212
13010	Gemini	9	35 16,54	3,972	55 40 59.0	3,075	212
13011	Auriga	9	35 20,54	4,072	52 49 45.0	3,081	208
13012	Monoceros....	8½	35 22,80	3,041	91 14 0.6	3,084	252
13013	Monoceros....	9	35 23,10	3,132	87 18 8.8	3,084	48
13014	Gemini	8	35 31,41	3,483	72 40 49.6	3,096	255
13015	Gemini	9	35 31,96	3,460	73 33 7.4	3,097	262
13016	Auriga	7½	35 35,28	4,194	49 36 37.7	3,102	6
13017	Monoceros....	8	35 35,40	3,289	80 35 44.6	3,102	210
13018	Gemini	8	35 37,43	3,512	71 28 28.3	3,106	255
13019	Monoceros....	8	35 38,10	3,274	81 12 50.0	3,107	44
13020	Monoceros....	7½	35 38,76	3,058	90 31 9.9	3,108	50
13021	Gemini	7	35 41,87	3,509	71 36 15.6	3,112	255
13022	Camelopardus .	9½	35 43,36	6,409	21 35 0.2	3,114	376
13023	Gemini	9½	35 44,57	3,878	58 31 44.9	3,116	207
13024	Monoceros....	7	35 47,05	3,269	81 26 11.4	3,120	44
13025	Gemini	7	35 47,58	3,601	68 6 20.6	3,120	272
13026	Auriga	7½	35 58,06	4,166	50 18 47.9	3,135	6
13027	Canis Major ..	7½	36 0,35	2,619	108 51 27.1	3,138	318
13028	Monoceros....	8	36 8,51	3,175	85 26 16.4	3,151	257
13029	Monoceros....	8	36 10,45	2,911	96 51 46.4	3,153	265
13030	Monoceros....	9	36 11,46	3,195	84 34 13.5	3,154	260
13031	Monoceros....	.	36 14,78	3,257	81 54 16.3	3,159	44
13032	Monoceros....	7½	36 16,61	2,904	97 8 24.3	3,162	265
13033	Monoceros....	7½	36 16,65	2,904	97 8 22.9	3,162	267
13034	Auriga	7½	36 16,73	4,187	49 45 16.4	3,162	6
13035	Canis Major α	1	36 19,32	2,680	106 26 53.4	3,166	322
13036	Canis Major α	1	36 19,56	2,680	106 26 59.4	3,166	320
13037	Canis Major α	1	36 19,90	2,680	106 27 5.2	3,166	318
13038	Canis Major α	1	36 19,99	2,680	106 27 4.1	3,166	280
13039	Canis Major α	1	36 20,13	2,680	106 26 59.8	3,167	270
13040	Canis Major α	1	6 36 20,24	+2,680	106 27 1.7	+3,167	277

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13041	Canis Major α	1	6 36 20,25	+2,680	106° 26' 56",7	+3",167	269
13042	Canis Major α	1	36 20,39	2,680	106 27 1,3	3,167	317
13043	Canis Major α	1	36 20,49	2,680	106 27 5,9	3,167	323
13044	Gemini	9	36 20,81	3,423	75 0 19,3	3,168	262
13045	Monoceros....	6½	36 27,72	3,261	81 45 31,8	3,178	44
13046	Auriga	7½	36 28,25	4,175	50 3 50,9	3,179	6
13047	Auriga	5	36 36,59	4,258	47 59 57,0	3,191	207
13048	Gemini	6	36 38,77	3,921	57 10 52,8	3,194	274
13049	Gemini	6½	36 38,81	3,921	57 11 0,6	3,194	212
13050	Monoceros....	8	36 40,67	3,204	84 19 15,2	3,197	260
13051	Auriga	8	36 45,47	4,051	53 23 12,6	3,203	315
13052	Lynx	9	36 52,57	4,815	37 5 56,3	3,214	382
13053	Gemini	8	36 52,74	3,418	75 12 2,7	3,214	262
13054	Gemini	8½	36 52,78	3,592	68 25 40,2	3,215	272
13055	Gemini	6½	36 52,88	4,004	54 43 8,8	3,215	315
13056	Gemini	8	36 52,89	3,418	75 12 6,0	3,215	313
13057*	Auriga	8	36 53,20	4,332	46 17 9,7	3,215	54
13058	Monoceros....	9	36 53,26	2,922	96 21 55,3	3,215	265
13059	Canis Major ..	6	36 54,18	2,724	104 41 37,2	3,216	317
13060	Monoceros....	8	36 58,31	2,867	98 42 57,0	3,222	267
13061	Monoceros....	8½	37 2,71	3,220	83 29 46,9	3,228	46
13062	Monoceros....	8½	37 2,73	3,220	83 29 52,0	3,228	260
13063	Gemini	8	37 2,78	3,886	58 14 58,2	3,228	207
13064	Canis Major ..	6½	37 2,91	2,502	113 15 48,7	3,228	322
13065	Gemini	8	37 3,54	3,570	69 13 39,1	3,229	272
13066	Gemini	8	37 3,79	3,570	69 13 41,3	3,229	253
13067	Canis Major ..	8	37 8,08	2,572	110 39 10,8	3,236	320
13068	Canis Major ..	8	37 9,86	2,684	106 16 54,3	3,239	322
13069	Monoceros....	8	37 10,46	3,177	85 20 57,4	3,240	257
13070	Monoceros....	6	37 11,07	2,836	100 1 15,7	3,241	269
13071	Gemini	9	37 16,11	3,824	60 14 15,5	3,248	52
13072	Monoceros....	7½	37 21,51	3,142	86 52 19,2	3,256	257
13073	Canis Major ..	8	37 22,27	2,574	110 34 24,2	3,257	320
13074	Gemini	7½	37 22,48	3,705	64 18 10,2	3,257	145
13075	Monoceros....	6	37 25,67	3,130	87 22 47,1	3,261	48
13076	Monoceros....	4	37 25,73	3,130	87 22 50,1	3,261	257
13077	Canis Major ..	7	37 26,13	2,733	104 19 12,5	3,262	317
13078	Canis Major ..	6	37 26,48	2,733	104 19 19,3	3,263	277
13079	Canis Major ..	8½	37 29,26	2,575	110 33 10,2	3,267	320
13080	Monoceros....	8	6 37 30,68	+3,082	89 27 13,7	+3,269	50

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13081	Canis Major ..	8½	6 37 31.74	+2,579	110 24 29.1	+3,271	320
13082	Camelopardus .	9	37 34.53	6,504	21 0 54.6	3,274	376
13083	Monoceros....	8	37 40.61	3,218	83 34 42.6	3,283	260
13084	Monoceros....	8	37 40.69	3,216	83 39 42.5	3,283	46
13085	Gemini	9	37 42.65	3,882	58 23 20.4	3,286	207
13086	Canis Major ..	4½	37 43.16	2,735	104 13 19.1	3,286	317
13087	Monoceros....	9	37 43.70	3,082	89 28 9.8	3,288	50
13088	Canis Major ..	.	37 43.79	2,735	104 13 19.9	3,288	277
13089	Gemini	8½	37 44.13	3,925	57 1 58.9	3,288	212
13090	Gemini	8	37 44.36	3,925	57 1 57.0	3,289	274
13091	Auriga	8½	37 44.43	4,249	48 12 33.5	3,289	207
13092	Monoceros....	8	37 47.96	3,280	80 55 23.9	3,294	210
13093	Canis Major ..	9	37 49.03	2,789	101 59 27.3	3,296	270
13094	Auriga	8½	37 49.30	4,194	49 34 4.2	3,296	6
13095	Gemini	9	37 50.30	3,610	67 42 37.8	3,297	272
13096	Gemini	8½	37 51.40	3,534	70 37 9.8	3,298	253
13097	Gemini	9	37 54.76	3,420	75 8 10.8	3,303	262
13098	Monoceros....	8	37 56.20	3,081	89 29 8.9	3,306	50
13099	Canis Major ..	9	38 3.25	2,511	112 56 38.1	3,315	322
13100	Monoceros....	6	38 4.15	2,866	98 47 27.5	3,316	267
13101	Monoceros....	8	38 5.16	2,956	94 56 42.9	3,318	259
13102	Gemini	8	38 9.78	3,503	71 47 42.4	3,319	255
13103	Canis Major ..	9	38 10.23	2,817	100 49 47.6	3,326	269
13104	Monoceros....	7	38 10.80	3,044	91 6 26.4	3,327	50
13105	Monoceros....	6½	38 11.38	3,044	91 6 26.1	3,328	252
13106	Gemini	8	38 17.37	3,357	77 42 13.9	3,336	312
13107	Auriga	9	38 18.56	4,292	47 9 38.0	3,337	54
13108	Gemini	6½	38 18.70	3,458	73 34 56.2	3,338	262
13109	Auriga	9	38 19.12	4,292	47 9 36.0	3,338	207
13110	Gemini	8½	38 20.96	3,906	57 37 24.8	3,341	207
13111	Monoceros....	8½	38 22.30	3,036	91 27 7.9	3,343	252
13112	Gemini	8	38 23.39	3,728	63 29 3.1	3,344	145
13113	Monoceros....	8½	38 24.46	3,297	80 12 25.1	3,346	210
13114	Auriga	9	38 25.41	4,571	41 17 42.3	3,347	377
13115	Canis Major ..	6½	38 27.74	2,569	110 48 33.2	3,351	320
13116	Gemini	8	38 28.11	3,493	72 11 42.9	3,352	255
13117	Gemini	8	38 30.00	3,524	70 59 9.4	3,355	253
13118	Gemini	9	38 30.97	3,833	59 55 45.0	3,355	52
13119	Auriga	7½	38 31.71	4,391	44 56 5.5	3,357	54
13120	Canis Major ..	7½	6 38 34.24	+2,816	100 53 56.0	+3,360	269

No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1800.	Annual Preces.	North Polar Distance, Jan. 1, 1800.	Annual Preces.	Page in H. Cel.
			^h ^m ^s	^s	[°] ['] ^{''}	^{''}	
13121	Monoceros....	9	6 38 35.97	+3.298	80° 9' 48.1	+3.362	210
13122	Gemini	8	38 36.56	3.716	63 53 26.6	3.363	145
13123	Canis Major ..	8½	38 38.09	2.524	112 28 28.0	3.366	322
13124	Gemini	8	38 38.13	3.465	73 19 45.9	3.366	262
13125	Gemini	7	38 38.31	3.712	64 0 46.4	3.366	145
13126	Monoceros....	8	38 39.78	2.981	93 51 40.2	3.368	259
13127	Monoceros....	7½	38 42.10	2.895	97 32 40.9	3.371	267
13128	Monoceros....	.	38 43.89	3.098	88 47 11.7	3.374	48
13129	Canis Major ..	7½	38 44.12	2.659	107 18 2.0	3.375	318
13130	Canis Major ..	7½	38 44.18	2.659	107 17 59.9	3.375	323
13131	Gemini	10	38 44.72	3.962	55 55 5.4	3.375	212
13132	Gemini	8	38 46.26	3.541	70 19 3.8	3.378	253
13133	Canis Major ..	8½	38 50.22	2.514	112 50 41.3	3.383	322
13134	Gemini	7½	38 51.46	3.356	77 43 33.0	3.385	312
13135	Monoceros....	7½	38 57.45	3.160	86 5 29.2	3.393	257
13136	Gemini	8½	39 3.05	3.959	55 59 4.6	3.402	274
13137	Gemini	9	39 3.18	3.959	55 59 12.6	3.402	212
13138	Lynx	7½	39 4.44	4.656	39 43 35.2	3.403	383
13139	Gemini	9	39 5.84	3.457	73 34 20.4	3.406	262
13140	Gemini	6	39 8.23	3.389	76 22 10.8	3.409	313
13141	Canis Major ..	9	39 8.74	2.822	100 38 15.4	3.410	269
13142	Auriga	8	39 9.54	4.456	43 33 21.1	3.411	384
13143	Monoceros....	6½	39 11.88	3.022	92 3 24.7	3.414	252
13144	Canis Major ..	8	39 12.43	2.774	102 37 44.5	3.415	270
13145	Auriga	5½	39 15.18	4.140	50 54 25.0	3.419	6
13146	Canis Major ..	8½	39 16.14	2.666	107 1 8.5	3.421	323
13147	Monoceros....	9	39 20.18	3.205	84 6 53.6	3.426	260
13148	Gemini	8	39 27.43	3.730	63 22 38.3	3.437	145
13149	Gemini	8	39 28.22	3.730	63 22 29.7	3.438	144
13150	Auriga	6½	39 29.48	4.124	51 19 39.3	3.440	208
13151	Auriga	6	39 29.84	4.124	51 19 38.6	3.441	6
13152	Auriga	6	39 30.40	4.124	51 19 49.5	3.442	141
13153	Lynx	7½	39 30.42	4.592	40 52 2.4	3.442	383
13154	Monoceros....	7½	39 31.67	3.206	84 6 31.7	3.443	260
13155	Gemini θ	4	39 34.98	3.965	55 48 49.6	3.447	212
13156	Gemini θ	4	39 35.50	3.965	55 48 45.2	3.448	315
13157	Monoceros....	8	39 35.51	3.044	91 7 27.1	3.448	49
13158	Gemini θ	4	39 35.65	3.965	55 48 47.6	3.448	274
13159	Monoceros....	8	39 35.79	3.044	91 7 25.3	3.448	50
13160	Gemini θ	4	6 39 36.24	+3.965	55 48 48.1	+3.449	141

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			h m s	s	° ' "	"	
13161	Monoceros....	8	6 39 36.25	+3,044	91 7 27.5	+3,449	252.
13162	Gemini	7	39 37.07	3,709	64 7 8.9	3,450	145
13163	Camelopardus .	8	39 37.95	6,261	22 25 37.0	3,451	376
13164	Monoceros....	9	39 40.89	3,290	80 31 19.1	3,456	210
13165	Gemini	8½	39 45.38	3,347	78 6 54.8	3,462	312
13166	Gemini	9	39 46.95	3,955	56 5 27.9	3,465	212
13167	Gemini .....	.	39 47.00	3,955	56 5 26.8	3,465	274
13168	Canis Major ..	8½	39 47.18	2,546	111 41 43.1	3,465	322
13169	Gemini	8	39 48.68	3,430	74 42 2.9	3,467	262
13170	Canis Major ..	8	39 49.98	2,692	105 59 43.3	3,469	323
13171	Gemini	6	39 50.82	3,651	66 10 33.5	3,469	316
13172	Gemini	6½	39 51.05	3,651	66 10 34.9	3,470	213
13173	Canis Major ..	6	39 53.64	2,718	104 55 47.7	3,474	323
13174	Canis Major ..	5½	39 53.79	2,718	104 55 42.9	3,474	317
13175	Monoceros....	9	39 54.09	2,930	96 3 24.3	3,474	265
13176	Gemini	8	39 58.04	3,820	60 19 38.0	3,480	52
13177	Monoceros....	9	39 58.18	3,205	84 7 4.8	3,481	260
13178	Gemini	8½	39 58.72	3,564	69 26 27.2	3,481	253
13179	Canis Major ..	8	39 59.93	2,779	102 27 9.0	3,483	270
13180	Gemini	8½	40 0.41	3,476	72 51 6.0	3,484	255
13181	Auriga	9	40 0.50	4,119	51 27 39.5	3,484	208
13182	Monoceros....	8	40 5.42	2,948	95 17 40.2	3,491	259
13183	Auriga	8½	40 7.95	4,219	48 52 35.9	3,494	207
13184	Lynx	9	40 13.47	4,573	41 12 24.5	3,502	377
13185	Auriga	6½	40 13.56	4,126	51 15 58.5	3,502	208
13186	Auriga	6	40 13.78	4,126	51 15 52.0	3,502	6
13187	Auriga	6	40 14.79	4,126	51 16 1.7	3,504	141
13188	Monoceros....	7½	40 18.19	3,210	83 56 5.6	3,510	260
13189	Gemini	8½	40 19.19	3,468	73 9 49.4	3,511	255
13190	Monoceros....	9	40 23.58	2,933	95 56 8.1	3,518	265
13191	Monoceros....	9	40 28.25	2,895	97 34 34.4	3,524	267
13192	Canis Major ..	8½	40 29.34	2,636	108 14 39.1	3,526	318
13193	Lynx	7½	40 31.09	4,436	43 56 21.5	3,528	384
13194	Gemini	8½	40 33.12	3,711	64 0 43.2	3,531	145
13195	Monoceros....	8	40 34.28	2,932	95 58 22.2	3,533	265
13196	Canis Major ..	8	40 35.59	2,721	104 49 43.4	3,534	277
13197	Canis Major ..	7½	40 35.77	2,721	104 49 30.5	3,535	317
13198	Monoceros....	6	40 36.92	3,063	90 18 31.8	3,537	49
13199	Monoceros....	7½	40 37.04	3,294	80 20 7.0	3,537	210
13200	Monoceros....	7	6 40 37.22	+3,063	90 18 33.0	+3,537	50

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			h m s	s	° ' "	"	
13201	Lynx	9	6 40 37.99	+4.427	44 7 23.7	+3.538	384
13202	Gemini	9	40 38.28	3.852	59 16 47.4	3.538	207
13203	Canis Major ..	8	40 45.82	2.772	102 44 40.2	3.550	270
13204	Gemini	8	40 47.19	3.699	64 27 38.8	3.551	145
13205	Auriga . . . . .	.	40 47.28	4.347	45 52 8.4	3.551	54
13206	Monoceros....	7½	40 47.79	2.973	94 10 41.6	3.552	259
13207	Monoceros....	.	40 51.05	3.124	87 38 12.4	3.556	48
13208	Monoceros....	8	40 51.47	3.326	78 59 34.3	3.557	312
13209	Canis Major ..	8	40 51.69	2.781	102 21 54.8	3.557	270
13210	Gemini	9	40 54.57	3.822	60 15 7.5	3.562	52
13211	Lynx	9	40 55.76	4.916	35 28 57.6	3.563	382
13212	Canis Major ..	8	40 57.70	2.736	104 12 49.7	3.567	317
13213	Canis Major ..	9	41 1.78	2.566	110 57 40.9	3.572	320
13214	Monoceros....	9	41 2.07	2.977	94 2 17.4	3.573	259
13215	Gemini	8	41 3.79	3.871	58 38 51.8	3.575	207
13216	Monoceros....	7	41 4.38	2.889	97 49 7.3	3.576	267
13217	Gemini	7½	41 5.75	3.916	57 15 32.2	3.578	212
13218	Monoceros....	8½	41 6.44	3.040	92 43 29.9	3.579	252
13219	Monoceros....	8	41 7.19	3.192	84 41 26.0	3.580	260
13220	Gemini	8½	41 8.54	3.932	56 45 58.8	3.582	212
13221	Monoceros....	8	41 8.97	3.136	87 7 15.6	3.583	257
13222	Monoceros....	6½	41 10.49	3.145	86 43 52.9	3.584	257
13223	Canis Major ..	8	41 17.00	2.744	103 53 33.3	3.594	317
13224	Monoceros....	9	41 18.47	3.137	87 3 42.6	3.596	257
13225	Gemini	9	41 19.21	3.883	58 15 54.5	3.596	207
13226	Monoceros....	8½	41 19.71	2.994	93 17 22.6	3.597	259
13227	Monoceros....	9½	41 20.13	3.194	84 37 15.0	3.598	260
13228	Gemini	9	41 20.24	3.540	70 19 38.5	3.598	253
13229	Auriga	9½	41 21.78	4.207	49 9 18.4	3.600	208
13230	Canis Major ..	6½	41 22.80	2.666	107 4 12.1	3.602	318
13231	Canis Major ..	7	41 23.13	2.666	107 4 9.3	3.602	323
13232	Canis Major ..	6	41 27.07	2.671	106 51 46.2	3.608	323
13233	Gemini	9	41 27.19	3.600	68 3 2.1	3.608	272
13234	Canis Major ..	5	41 27.24	2.671	106 51 47.8	3.608	318
13235	Gemini	8½	41 31.64	3.628	66 59 34.6	3.615	316
13236	Monoceros....	8	41 33.29	3.257	81 52 22.2	3.617	44
13237	Auriga	9½	41 35.76	4.205	49 11 18.6	3.621	208
13238	Monoceros....	7½	41 37.42	3.020	92 10 37.8	3.623	252
13239	Gemini	7	41 38.40	3.916	57 15 29.2	3.624	274
13240	Monoceros....	9½	6 41 39.07	+2.933	95 55 3.3	+3.625	265

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			h m s	s	° ' "	"	
13241	Gemini	8	6 41 41.14	+3,931	56 46 2.8	+3,628	274
13242	Lynx	6	41 42.25	4,456	43 29 22.0	3,629	384
13243	Monoceros....	9	41 43.42	3,104	88 31 19.8	3,632	48
13244	Canis Major ..	8	41 46.54	2,741	104 2 27.1	3,637	317
13245	Canis Major ..	8	41 46.80	2,741	104 2 25.1	3,637	277
13246	Monoceros....	7½	41 46.89	3,025	91 56 59.3	3,637	252
13247	Monoceros....	9	41 47.29	3,276	81 4 35.4	3,638	210
13248	Monoceros....	8	41 48.27	3,256	81 56 53.5	3,639	44
13249	Auriga	7	41 53.29	4,103	51 50 51.5	3,646	208
13250	Gemini	8½	41 53.97	3,914	57 16 47.5	3,647	212
13251	Canis Major ..	7½	41 55.97	2,817	100 53 31.7	3,651	269
13252	Monoceros....	6	41 56.23	3,269	81 23 21.0	3,651	210
13253	Monoceros....	8	41 56.28	3,275	81 6 20.6	3,651	210
13254	Monoceros....	7½	41 56.41	3,269	81 23 19.6	3,651	44
13255	Monoceros....	9	41 56.72	3,068	90 4 2.3	3,651	50
13256	Auriga	8½	41 59.87	4,213	48 59 49.5	3,656	208
13257	Gemini	9	42 1.85	3,879	58 22 6.8	3,659	207
13258	Gemini	8	42 1.91	3,831	59 56 17.7	3,659	52
13259	Gemini .....	.	42 2.17	3,733	63 14 11.1	3,659	145
13260	Monoceros....	9	42 2.39	3,098	88 45 38.4	3,659	48
13261	Monoceros....	8	42 2.48	3,275	81 6 19.0	3,659	44
13262	Monoceros....	8	42 2.62	3,321	79 10 44.9	3,659	210
13263	Lynx	7	42 5.37	4,477	43 3 0.0	3,664	377
13264	Canis Major ..	7½	42 9.88	2,575	110 36 40.5	3,669	320
13265	Monoceros....	8	42 10.61	3,319	79 14 27.1	3,671	210
13266	Monoceros....	7	42 10.96	3,321	79 10 43.7	3,671	312
13267	Monoceros....	9	42 14.90	3,100	88 40 47.3	3,677	48
13268	Auriga	8	42 16.22	4,203	49 13 21.7	3,679	208
13269	Gemini	6½	42 17.48	3,331	78 45 55.1	3,681	312
13270	Canis Major ..	7	42 17.94	2,573	110 41 6.1	3,681	320
13271	Lynx	9	42 19.86	4,505	42 28 55.6	3,684	377
13272	Monoceros....	7½	42 22.87	2,945	95 24 59.2	3,688	265
13273	Canis Major ..	7	42 23.45	2,622	108 47 15.9	3,689	318
13274	Gemini	9	42 23.74	3,891	58 0 49.6	3,690	207
13275	Gemini	7½	42 24.74	3,585	68 36 6.9	3,692	272
13276	Gemini	8	42 27.04	3,422	75 0 43.8	3,694	263
13277	Gemini	8½	42 27.09	3,993	54 55 31.8	3,694	315
13278	Auriga	9	42 28.97	4,082	52 24 3.1	3,698	208
13279	Gemini	7	42 30.47	3,668	65 30 47.2	3,699	316
13280	Gemini	8	6 42 30.54	+3,669	65 29 50.2	+3,699	213

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			h m s	s	° ' "	"	
13281	Monoceros....	7½	6 42 31.71	+3,138	87 1 30.9	+3,701	257
13282	Monoceros....	7	42 32.23	2,953	95 5 8.4	3,701	259
13283	Monoceros....	6½	42 32.30	2,953	95 5 13.3	3,701	265
13284	Monoceros....	7	42 33.85	2,956	94 56 40.1	3,704	259
13285	Monoceros....	6½	42 34.14	2,956	94 56 42.9	3,704	265
13286	Gemini	8½	42 34.30	3,544	70 10 18.6	3,705	253
13287	Auriga	8	42 37.64	4,059	53 2 0.7	3,710	208
13288	Gemini	8½	42 38.08	3,841	59 35 17.7	3,710	52
13289	Canis Major ..	7	42 39.71	2,815	100 58 32.5	3,713	269
13290	Auriga	8	42 42.76	4,067	52 48 39.5	3,717	208
13291	Gemini	9	42 43.37	3,756	62 24 30.1	3,718	144
13292	Gemini	8½	42 48.02	3,355	77 44 27.8	3,725	312
13293	Lynx	9	42 50.02	4,567	41 15 37.2	3,727	383
13294	Monoceros....	9	42 55.95	3,005	92 49 42.8	3,736	252
13295	Canis Major ..	8	42 58.06	2,767	102 59 15.6	3,739	277
13296	Gemini	7½	42 58.34	3,595	68 11 34.6	3,740	272
13297	Canis Major ..	8½	42 58.38	2,767	102 59 13.9	3,740	270
13298	Camelopardus .	9	42 59.62	6,276	22 17 3.2	3,741	376
13299	Gemini	6	42 59.96	3,700	64 23 15.7	3,741	145
13300	Lynx	6	42 59.96	4,399	44 39 52.9	3,741	384
13301	Gemini	8½	43 0.82	3,494	72 4 49.0	3,743	255
13302	Monoceros....	9	43 2.58	3,320	79 12 53.3	3,745	210
13303	Gemini	8	43 3.74	3,418	75 8 11.3	3,747	263
13304	Gemini	9	43 6.86	3,597	68 8 3.6	3,752	272
13305	Auriga	7½	43 7.11	4,315	46 31 37.0	3,752	54
13306	Gemini	7	43 10.56	3,448	73 55 27.9	3,757	263
13307	Gemini	9	43 13.84	3,596	68 9 49.7	3,761	272
13308	Canis Major ..	8½	43 14.72	2,817	100 52 15.3	3,762	269
13309	Gemini	8	43 18.83	3,753	62 30 37.5	3,768	144
13310	Gemini e	5½	43 21.30	3,383	76 34 49.9	3,772	313
13311	Gemini	8	43 22.48	3,332	78 42 26.2	3,774	312
13312	Monoceros....	9	43 22.88	3,150	86 30 42.2	3,775	257
13313	Gemini	8	43 25.42	3,661	65 45 4.7	3,779	316
13314	Gemini	8½	43 25.67	3,661	65 45 9.6	3,779	213
13315	Gemini	7½	43 26.32	3,754	62 28 25.5	3,779	144
13316	Canis Major ..	8	43 27.74	2,537	112 4 22.3	3,781	322
13317	Monoceros....	8	43 28.64	2,896	97 31 55.1	3,783	267
13318	Canis Major ..	8	43 35.84	2,792	101 55 16.9	3,793	270
13319	Monoceros....	8	43 40.12	3,193	84 39 8.6	3,799	260
13320	Auriga	8	6 43 42.41	+4,214	48 55 26.0	+3,803	208

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13321	Auriga	7	h m s 6 43 43.47	+4,082	52° 21' 39.5"	+3,804	208
13322	Monoceros....	8½	43 44.83	3,283	80 45 41.8	3,806	210
13323	Monoceros....	9	43 45.16	3,205	84 6 14.7	3,806	260
13324	Auriga	7½	43 45.77	4,250	48 2 47.4	3,807	208
13325	Gemini	8	43 46.26	3,354	77 47 33.0	3,808	312
13326	Canis Major ..	7½	43 47.08	2,694	105 58 49.0	3,809	323
13327	Lynx	7	43 48.04	4,801	37 10 38.3	3,811	382
13328	Gemini	9	43 50.64	3,878	58 22 17.5	3,815	207
13329	Gemini	9	43 51.12	3,444	74 4 43.2	3,815	263
13330	Gemini	6½	43 51.58	3,953	56 4 34.2	3,816	212
13331	Gemini	6	43 51.67	3,953	56 4 28.9	3,816	274
13332	Canis Major ..	8½	43 54.22	2,815	100 59 25.8	3,819	269
13333	Monoceros....	9	44 1.07	2,974	94 9 17.6	3,829	259
13334	Gemini	8	44 2.22	3,688	64 46 3.4	3,831	145
13335	Canis Major ..	8	44 6.77	2,567	110 57 4.5	3,837	320
13336	Monoceros....	8½	44 7.44	3,272	81 14 20.4	3,838	44
13337	Gemini	8	44 11.32	3,515	71 15 50.2	3,844	253
13338	Gemini	•	44 14.60	3,836	59 43 28.6	3,849	52
13339	Monoceros....	6	44 14.61	3,049	90 53 17.1	3,849	49
13340	Monoceros....	6	44 14.68	3,049	90 53 20.2	3,849	50
13341	Monoceros....	7	44 20.03	2,941	95 36 53.3	3,857	265
13342	Monoceros....	8	44 20.88	3,173	85 31 4.7	3,858	257
13343	Canis Major ..	8	44 23.69	2,518	112 48 42.1	3,862	322
13344	Canis Major ..	7½	44 24.79	2,814	101 1 39.1	3,863	269
13345	Monoceros....	8½	44 26.05	2,937	95 46 45.7	3,865	265
13346	Gemini	8	44 28.17	3,523	70 57 18.9	3,868	253
13347	Lynx	8	44 29.09	4,573	41 7 26.3	3,869	383
13348	Monoceros....	7½	44 32.59	2,928	96 8 59.9	3,875	265
13349	Monoceros....	9	44 33.54	3,122	87 42 52.6	3,876	48
13350	Monoceros....	8	44 33.64	3,200	84 19 23.3	3,877	260
13351	Canis Major ..	5	44 34.71	2,623	108 47 49.4	3,877	318
13352	Canis Major ..	8	44 34.82	2,768	102 57 18.0	3,877	277
13353	Monoceros....	7	44 35.00	3,035	91 30 54.9	3,878	252
13354	Monoceros....	7	44 35.20	3,035	91 30 57.7	3,878	50
13355	Monoceros....	8	44 35.33	3,211	83 50 54.5	3,878	260
13356	Monoceros....	9	44 35.74	2,981	93 51 45.0	3,879	259
13357	Canis Major ..	6	44 36.55	2,626	108 41 54.8	3,880	318
13358	Gemini	7½	44 38.19	3,495	72 1 1.2	3,883	255
13359	Monoceros....	7½	44 41.89	3,267	81 26 3.0	3,888	44
13360	Monoceros....	8	6 44 43.34	+3,155	86 17 28.2	+3,890	257

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13361	Gemini	8½	6 44 43.79	+3,872	58 32 9.0	+3,890	207
13362	Auriga	8	44 44.78	4,103	51 45 39.4	3,891	208
13363	Gemini	7½	44 45.06	3,678	65 6 31.0	3,892	145
13364	Gemini	8	44 45.30	3,687	64 47 49.8	3,892	145
13365	Gemini	7	44 45.36	3,678	65 6 37.1	3,892	316
13366	Monoceros....	9	44 45.51	3,044	91 8 0.7	3,893	49
13367	Monoceros....	8	44 46.30	3,280	80 52 45.2	3,894	210
13368	Gemini	9	44 48.20	3,415	75 15 2.7	3,896	263
13369	Gemini	8½	44 48.37	3,415	75 15 17.5	3,896	313
13370	Monoceros....	7	44 52.28	3,277	81 = 36.4	3,902	210
13371	Monoceros....	6½	44 52.32	3,282	80 47 53.1	3,902	210
13372	Gemini	8	44 53.59	3,579	68 47 12.7	3,904	272
13373	Canis Major . θ	5	44 53.87	2,796	101 47 52.6	3,904	270
13374	Canis Major ..	5½	44 54.40	2,593	109 59 9.4	3,905	320
13375	Monoceros....	6½	44 56.94	3,011	92 33 43.7	3,909	252
13376	Gemini	9½	44 58.00	3,973	55 26 7.1	3,910	212
13377	Gemini	8	44 58.94	3,368	77 11 29.4	3,912	312
13378	Auriga .....	.	45 0.12	4,162	50 12 46.8	3,913	6
13379	Monoceros....	8	45 5.41	3,018	92 14 17.9	3,921	252
13380	Auriga	7	45 7.21	4,274	47 25 59.6	3,923	54
13381	Auriga	7½	45 8.17	4,274	47 25 55.5	3,925	208
13382	Canis Major ..	9	45 11.53	2,811	101 8 56.9	3,930	269
13383	Gemini	9	45 16.17	3,879	58 19 5.8	3,937	207
13384	Monoceros....	9	45 18.64	3,285	80 40 8.1	3,941	210
13385	Monoceros....	9	45 19.44	2,923	96 23 47.8	3,941	265
13386	Gemini	8½	45 21.14	3,363	77 22 34.7	3,944	312
13387	Auriga	6½	45 24.30	4,106	51 41 22.5	3,949	208
13388	Auriga	7	45 25.04	4,106	51 41 21.3	3,950	141
13389	Monoceros....	8	45 31.44	2,879	98 15 15.0	3,959	267
13390	Monoceros....	9½	45 33.58	3,129	87 23 39.4	3,962	48
13391	Canis Major ..	9	45 36.50	2,804	101 28 26.5	3,966	270
13392	Canis Major ..	8	45 38.20	2,745	103 54 48.5	3,968	277
13393	Canis Major ..	6½	45 38.61	2,478	114 17 55.7	3,968	322
13394	Canis Major ..	9	45 41.00	2,802	101 31 41.7	3,972	270
13395	Monoceros....	8	45 43.17	3,213	83 44 52.7	3,976	260
13396	Gemini	8	45 43.36	3,630	66 50 57.1	3,976	316
13397	Gemini	8½	45 43.58	3,630	66 51 1.4	3,976	213
13398	Monoceros....	8½	45 44.40	2,876	98 23 51.4	3,977	267
13399	Gemini	8	45 44.45	3,521	71 = 59.3	3,977	253
13400	Canis Major ..	8	6 45 45.24	+2,652	107 40 30.6	+3,978	318

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13401	Canis Major ..	9	6 45 45.72	+2,810	101 11 19.1	+3,979	269
13402	Monoceros....	8	45 46.29	3,039	91 20 24.0	3,979	50
13403	Monoceros....	8	45 46.50	3,039	91 20 28.9	3,980	49
13404	Monoceros....	9	45 46.57	3,128	87 26 14.6	3,980	48
13405	Auriga	8	45 48.58	4,255	47 52 26.0	3,983	208
13406	Canis Major o'	4	45 49.75	2,488	113 56 32.6	3,985	322
13407	Monoceros....	9	45 51.43	3,158	86 9 27.2	3,988	257
13408	Gemini	8½	45 52.51	3,687	64 46 31.1	3,988	145
13409	Monoceros....	8	45 52.77	2,840	99 56 42.8	3,989	269
13410	Auriga	8½	45 52.78	4,268	47 33 37.7	3,989	208
13411	Auriga	8	45 53.11	4,268	47 33 40.1	3,989	54
13412	Canis Major ..	7	45 53.17	2,495	113 41 12.3	3,989	322
13413	Gemini	8	45 53.41	3,565	69 16 56.3	3,990	272
13414	Monoceros....	9	45 59.95	3,000	92 55 40.8	3,999	252
13415	Monoceros....	9	46 1.95	3,002	92 57 20.0	4,002	252
13416	Gemini	7½	46 3.64	3,499	71 50 49.5	4,004	255
13417	Monoceros....	8	46 5.37	2,881	98 10 20.8	4,006	267
13418	Monoceros....	9	46 5.97	2,839	99 58 33.9	4,007	269
13419	Gemini	8½	46 8.13	3,586	68 29 41.7	4,011	272
13420	Gemini	9	46 9.09	3,680	65 1 27.6	4,013	145
13421	Canis Major ..	7½	46 10.60	2,707	105 27 31.7	4,015	323
13422	Gemini	8½	46 12.15	3,582	68 38 16.9	4,017	272
13423	Gemini	8	46 12.69	3,686	64 49 28.4	4,017	145
13424	Gemini	6½	46 15.18	3,352	77 50 29.5	4,021	312
13425	Gemini	8½	46 17.13	3,793	61 4 50.9	4,024	52
13426	Monoceros....	8½	46 17.96	3,078	89 38 44.6	4,025	50
13427	Lynx	9	46 18.14	4,559	41 20 17.1	4,025	377
13428	Auriga	7½	46 19.51	4,264	47 38 55.4	4,027	54
13429	Monoceros....	8½	46 20.12	2,988	93 33 33.7	4,028	259
13430	Auriga	8	46 20.22	4,264	47 39 0.9	4,028	208
13431	Gemini	9	46 21.76	3,947	56 17 26.6	4,030	274
13432	Gemini	9	46 22.00	3,947	56 11 25.2	4,031	212
13433	Lynx	8	46 22.59	4,849	36 21 15.2	4,032	382
13434	Canis Major ..	6½	46 24.63	2,589	110 9 35.9	4,034	320
13435	Canis Major ..	9	46 26.68	2,589	110 10 16.0	4,037	320
13436	Gemini	8½	46 29.10	3,930	56 41 14.6	4,041	212
13437	Gemini	8	46 29.14	3,930	56 41 13.0	4,041	274
13438	Monoceros....	8½	46 36.19	2,989	93 32 11.6	4,052	259
13439	Gemini	8	46 45.17	3,408	75 31 6.2	4,063	313
13440	Gemini	8	6 46 45.89	+3,533	70 31 26.1	+4,064	253

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13441	Lynx	8	6 46 47.25	+4.893	35 41 8.9	+4.067	382
13442	Gemini	9	46 48.34	3.936	56 30 15.5	4.068	212
13443	Monoceros....	8	46 48.67	2.992	93 24 16.4	4.069	259
13444	Gemini	8½	46 48.73	3.936	56 30 22.9	4.069	274
13445	Lynx	8	46 49.04	4.649	39 39 32.7	4.069	383
13446	Gemini	9	46 50.10	3.408	75 31 6.2	4.071	313
13447	Lynx	8½	46 50.41	4.901	35 33 38.8	4.071	382
13448	Gemini	8	46 51.40	3.408	75 29 50.2	4.072	313
13449	Monoceros....	8	46 53.67	2.991	93 26 24.5	4.076	259
13450	Canis Major μ	4	46 56.67	2.748	103 47 43.4	4.081	277
13451	Canis Major μ	5	46 57.14	2.748	103 47 44.3	4.082	270
13452	Canis Major ..	5	46 57.32	2.596	109 53 30.0	4.082	320
13453	Monoceros....	7½	46 58.35	2.884	98 4 55.8	4.083	267
13454	Lynx	8	47 1.28	4.682	39 5 5.5	4.087	383
13455	Lynx	8½	47 1.31	4.492	42 37 40.2	4.087	377
13456	Monoceros....	8	47 1.47	3.141	86 51 34.8	4.087	257
13457	Gemini	8	47 1.61	3.581	68 40 10.1	4.087	272
13458	Monoceros....	8	47 1.84	2.887	97 56 0.4	4.088	267
13459	Gemini	9	47 7.20	3.498	71 53 54.8	4.096	255
13460	Canis Major. i	4	47 12.69	2.674	106 48 18.9	4.103	323
13461	Monoceros....	9	47 18.01	3.044	91 7 17.2	4.111	49
13462	Monoceros....	9	47 19.54	3.044	91 7 16.7	4.112	252
13463*	Canis Major ..	6	47 22.22	2.522	112 41 31.7	4.115	322
13464	Monoceros....	7	47 22.33	2.887	97 55 35.5	4.117	267
13465	Gemini	9	47 23.00	3.826	59 58 6.4	4.118	52
13466	Canis Major ..	8½	47 30.71	2.821	100 44 18.1	4.129	269
13467	Monoceros....	8½	47 33.06	3.128	87 27 4.6	4.132	48
13468	Monoceros....	8	47 33.88	2.879	98 17 21.7	4.133	267
13469	Gemini	8	47 35.08	3.452	73 41 58.7	4.135	263
13470	Monoceros....	8	47 38.45	2.867	98 48 36.3	4.140	267
13471	Gemini	8½	47 38.61	3.580	68 42 15.3	4.140	272
13472	Monoceros....	7½	47 38.82	3.217	83 34 35.0	4.140	260
13473	Monoceros....	6½	47 43.71	2.825	100 34 14.5	4.148	269
13474	Gemini	9	47 44.55	3.490	72 12 20.3	4.149	255
13475	Monoceros....	7½	47 44.84	3.164	85 50 50.2	4.149	257
13476	Monoceros....	8½	47 47.26	3.084	89 22 28.4	4.153	49
13477	Monoceros....	7	47 49.44	3.251	82 7 12.0	4.156	44
13478	Canis Major ..	8	47 56.71	2.823	100 41 33.0	4.166	269
13479	Lynx	8½	47 58.91	4.435	43 46 32.8	4.169	384
13480	Gemini	9	6 47 59.26	+3.931	56 37 40.0	+4.170	212

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13481	Canis Major ..	9	6	48	0,21	+2,674	106 49 36,3	+4,171	323
13482	Gemini	9		48	5,70	3,909	57 17 52,7	4,179	207
13483	Canis Major ..	7		48	7,38	2,674	106 50 41,3	4,181	323
13484	Gemini	9		48	15,23	3,831	59 47 6,7	4,193	52
13485	Gemini	7½		48	17,58	3,908	57 19 14,8	4,196	207
13486	Canis Major ..	7		48	18,16	2,615	109 10 48,1	4,197	320
13487	Canis Major ..	6½		48	18,83	2,615	109 10 49,5	4,198	318
13488*	Gemini	8		48	20,71	3,450	73 47 49,0	4,201	263
13489	Canis Major ..	9		48	21,35	2,790	102 4 46,8	4,202	270
13490	Gemini	8		48	25,13	3,825	60 0 1,9	4,207	52
13491	Monoceros....	6		48	25,57	3,158	86 8 13,9	4,207	257
13492	Monoceros....	8		48	27,46	3,006	92 45 56,1	4,210	252
13493	Monoceros....	8½		48	29,48	2,972	94 16 1,0	4,212	259
13494	Monoceros....	8½		48	29,96	3,197	84 27 20,6	4,213	260
13495	Gemini	8		48	30,73	3,748	62 34 46,7	4,214	144
13496	Monoceros....	7		48	31,64	3,244	82 25 19,2	4,216	44
13497	Gemini	8		48	32,35	3,644	66 17 42,9	4,217	213
13498	Monoceros....	8		48	33,52	2,869	98 46 11,4	4,219	267
13499	Monoceros....	6½		48	33,71	2,827	100 31 47,6	4,219	269
13500	Gemini	8		48	33,99	3,953	55 57 56,0	4,219	274
13501	Gemini	8		48	34,32	3,950	56 2 55,8	4,220	212
13502	Lynx	8½		48	35,24	4,364	45 16 51,8	4,221	54
13503	Canis Major ..	7		48	35,55	2,679	106 38 10,3	4,222	323
13504	Gemini	8½		48	38,73	3,672	65 15 20,0	4,226	213
13505	Monoceros....	6½		48	40,76	2,838	100 3 31,0	4,229	269
13506	Lynx	9		48	41,17	4,378	44 58 35,3	4,230	384
13507	Monoceros....	9		48	41,28	2,972	94 16 26,1	4,230	259
13508	Gemini	8		48	42,85	3,349	77 56 11,0	4,232	312
13509	Monoceros....	9		48	44,60	2,926	96 15 1,2	4,235	265
13510	Canis Major ..	7		48	46,37	2,543	111 56 49,1	4,237	322
13511	Lynx	8½		48	49,77	4,497	42 28 18,3	4,241	377
13512	Gemini	7		48	50,76	3,453	73 39 29,0	4,243	263
13513	Gemini	8		48	53,43	3,605	67 43 8,7	4,247	272
13514	Gemini	9		48	54,37	3,754	62 21 11,6	4,248	144
13515	Gemini	7½		48	57,50	3,439	74 12 3,6	4,253	263
13516	Canis Major ..	8½		48	58,26	2,573	110 47 34,1	4,254	320
13517	Monoceros....	9		48	58,58	2,930	96 6 0,9	4,254	265
13518	Monoceros....	8		49	0,32	2,984	93 45 26,9	4,257	259
13519	Gemini	8		49	2,32	3,721	63 29 54,4	4,260	145
13520	Gemini	9	6	49	4,22	+3,893	57 47 38,7	+4,262	207

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13521	Gemini	7	6 49 4.80	+3.475	72 46 29.1	+4.263	255
13522	Lynx	8	49 6.50	4.487	42 40 49.6	4.266	377
13523	Monoceros....	9	49 9.01	3.002	92 58 4.8	4.269	252
13524	Monoceros....	8	49 9.93	3.152	86 22 38.5	4.271	257
13525	Canis Major ..	8	49 10.91	2.518	112 53 58.8	4.272	322
13526	Gemini	8½	49 10.99	3.731	63 9 37.2	4.272	145
13527	Gemini	8½	49 11.17	3.524	70 48 51.0	4.273	253
13528	Monoceros....	9	49 12.87	3.097	88 49 7.4	4.275	48
13529	Gemini	9	49 13.10	3.822	60 3 55.4	4.275	52
13530	Monoceros....	9	49 16.40	3.100	88 39 58.1	4.280	48
13531	Gemini	8½	49 17.17	3.523	70 51 21.0	4.281	253
13532	Canis Major ..	8	49 22.07	2.657	107 31 13.4	4.287	318
13533	Gemini	8	49 23.19	3.532	70 31 5.8	4.289	253
13534	Gemini	8	49 23.76	3.371	77 0 36.7	4.290	313
13535	Canis Major ..	7½	49 23.83	2.700	105 47 47.0	4.290	323
13536	Gemini	8½	49 25.73	3.371	76 59 39.6	4.293	313
13537	Lynx	8	49 31.40	4.438	43 39 43.5	4.301	384
13538	Monoceros....	8	49 40.46	2.905	97 11 13.1	4.314	265
13539	Lynx	6	49 43.85	4.805	36 57 40.2	4.319	382
13540	Gemini	9	49 45.67	3.668	65 22 58.5	4.321	213
13541	Gemini	8½	49 46.32	3.873	58 23 23.4	4.322	207
13542	Auriga	8	49 51.20	4.086	52 5 29.4	4.329	208
13543	Gemini	9	49 52.34	3.880	58 10 59.2	4.331	207
13544	Canis Major ..	9½	49 52.49	2.792	102 0 15.0	4.331	270
13545	Gemini	8	49 53.86	3.605	67 41 27.9	4.333	272
13546	Canis Major ..	9	49 55.01	2.661	107 22 14.6	4.334	318
13547	Monoceros....	7½	49 55.08	3.521	79 6 25.6	4.335	210
13548	Monoceros....	8½	49 56.33	2.887	97 57 21.3	4.336	267
13549	Canis Major ..	8½	49 56.57	2.727	104 41 58.3	4.337	277
13550	Gemini	7	49 59.99	3.348	77 57 22.3	4.342	312
13551	Monoceros....	8½	50 0.35	2.883	98 7 31.8	4.342	267
13552	Auriga	8	50 0.47	4.199	49 8 45.9	4.342	6
13553	Auriga	8	50 1.01	4.199	49 8 38.3	4.343	208
13554	Gemini .....	.	50 2.36	3.696	64 21 43.6	4.345	145
13555	Gemini	8	50 6.23	3.500	71 45 19.3	4.351	255
13556	Gemini	7½	50 6.59	3.599	67 55 54.1	4.351	272
13557	Canis Major ..	.	50 7.20	2.585	110 21 6.1	4.352	320
13558	Lynx	7½	50 8.68	4.522	41 56 53.7	4.354	377
13559	Gemini ω	6	50 12.67	3.664	65 30 50.8	4.360	214
13560	Gemini	9	6 50 14.75	+3.936	56 25 42.8	+4.363	274

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13561	Gemini	7½	6 50 16,50	+3,607	67 37 51,9	+4,365	272
13562	Monoceros	8	50 18,91	3,020	92 9 52,1	4,369	252
13563	Canis Major ..	9	50 18,94	2,799	101 42 24,9	4,369	270
13564	Gemini	•	50 23,34	3,734	63 1 23,9	4,375	144
13565	Canis Major ..	8	50 26,22	2,581	110 31 42,4	4,379	320
13566	Monoceros	6½	50 28,34	2,953	95 6 12,7	4,382	259
13567	Monoceros	7½	50 32,36	2,943	95 33 33,7	4,387	265
13568	Gemini	8	50 33,93	3,955	55 49 50,3	4,390	212
13569	Auriga	7	50 37,27	4,038	53 24 30,6	4,394	315
13570	Gemini	9	50 40,09	3,491	72 5 54,8	4,398	255
13571	Canis Major ..	8	50 40,27	2,571	110 54 15,3	4,399	320
13572	Lynx	9	50 40,42	4,917	35 13 51,2	4,399	382
13573	Auriga	7	50 42,55	4,083	52 9 30,7	4,402	208
13574	Canis Major ..	9½	50 43,49	2,799	101 44 19,0	4,403	270
13575	Monoceros	8½	50 44,11	3,061	90 23 54,4	4,404	49
13576	Gemini	6½	50 46,60	3,813	60 20 29,4	4,408	52
13577	Gemini	7	50 47,02	3,494	71 58 25,8	4,409	255
13578	Canis Major ..	8	50 47,03	2,726	104 45 19,8	4,409	277
13579	Monoceros	6	50 47,05	2,883	98 8 22,1	4,409	267
13580	Gemini	9	50 47,74	3,969	55 24 59,1	4,410	274
13581	Gemini	7	50 50,98	3,434	74 23 18,3	4,415	263
13582	Monoceros	9	50 50,99	3,134	87 11 11,3	4,415	257
13583	Monoceros	9	50 54,06	3,088	89 10 36,0	4,419	48
13584	Gemini	9	50 55,15	3,846	59 14 14,7	4,420	207
13585	Monoceros	8	50 55,54	2,935	95 53 5,8	4,421	265
13586	Gemini	8	50 57,37	3,695	64 22 52,0	4,424	145
13587	Monoceros	8	51 1,21	3,076	89 43 11,9	4,429	49
13588	Monoceros	8	51 1,98	3,008	92 58 52,4	4,430	252
13589	Monoceros	7	51 4,14	3,186	84 54 35,1	4,433	260
13590	Gemini	7½	51 5,52	3,367	77 8 39,1	4,435	313
13591	Canis Major ..	7	51 7,10	2,560	111 20 10,2	4,437	322
13592	Monoceros	9½	51 7,99	3,134	87 11 2,4	4,438	257
13593	Gemini	9	51 9,67	3,742	62 43 7,9	4,441	144
13594	Gemini	8	51 10,36	3,695	64 23 19,1	4,442	145
13595	Monoceros	7	51 14,62	3,203	84 10 9,8	4,448	260
13596	Gemini	8	51 15,08	3,582	68 33 1,1	4,448	272
13597	Gemini	8	51 16,24	3,688	64 37 45,3	4,450	145
13598	Auriga	8½	51 16,56	4,048	53 7 6,5	4,450	208
13599	Canis Major ..	8	51 19,03	2,721	104 59 27,1	4,454	277
13600	Gemini	8	6 51 22,59	+3,737	62 53 9,0	+4,460	144

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13601	Gemini	8	6 51 24.10	+4,010	54 11 20.4	+4,462	315
13602	Monoceros....	8	51 25.99	3,005	92 50 40.2	4,464	252
13603	Gemini	9½	51 29.66	3,668	65 20 40.0	4,469	214
13604	Lynx	9	51 29.97	4,380	44 51 10.3	4,470	384
13605	Monoceros....	8½	51 31.33	2,886	98 0 51.9	4,472	267
13606	Canis Major ..	7	51 33.98	2,607	109 31 49.3	4,475	318
13607	Canis Major ..	7½	51 34.84	2,717	105 7 40.8	4,477	277
13608	Monoceros....	9½	51 35.83	3,237	82 41 28.9	4,478	44
13609	Monoceros....	8	51 36.88	2,929	96 10 31.8	4,479	265
13610	Canis Major ..	8	51 37.30	2,523	112 44 18.0	4,480	322
13611	Gemini	8½	51 39.25	3,589	68 16 40.9	4,483	272
13612	Monoceros....	8	51 40.02	2,888	97 55 47.6	4,484	267
13613	Lynx	8	51 42.77	4,610	40 14 34.9	4,488	383
13614	Monoceros....	7½	51 43.50	3,045	91 4 9.4	4,488	49
13615	Gemini	8	51 44.33	3,531	70 29 56.2	4,490	253
13616	Canis Major ..	8½	51 47.04	2,719	105 2 42.4	4,493	277
13617	Gemini	9	51 47.59	3,664	65 29 21.3	4,494	214
13618	Monoceros....	8	51 48.06	2,932	96 2 21.5	4,495	265
13619	Gemini	9	51 48.36	3,968	55 24 56.3	4,495	212
13620	Canis Major ..	7	51 50.18	2,547	111 50 59.8	4,499	322
13621	Gemini	8	51 52.47	3,409	75 23 6.8	4,502	263
13622	Gemini	8½	51 55.58	3,951	55 56 20.7	4,506	212
13623	Canis Major ..	6½	51 57.55	2,539	110 22 5.6	4,509	320
13624	Monoceros....	8	51 57.82	3,156	86 13 34.0	4,509	257
13625	Canis Major ..	8	52 1.51	2,533	112 22 28.8	4,514	322
13626	Canis Major ..	7½	52 4.56	2,585	110 24 17.9	4,519	320
13627	Monoceros....	6	52 7.52	2,945	95 26 54.0	4,523	265
13628	Monoceros....	7½	52 8.36	2,990	93 28 43.1	4,525	259
13629	Gemini	8½	52 8.56	3,951	55 58 16.9	4,525	212
13630	Canis Major ..	7½	52 8.87	2,617	109 10 16.2	4,525	318
13631	Gemini	8	52 12.61	3,841	59 21 21.3	4,530	207
13632	Gemini	8	52 12.91	3,841	59 21 21.3	4,531	53
13633	Lynx	9	52 13.01	4,891	35 34 41.5	4,531	382
13634	Gemini	8	52 13.43	3,566	69 7 27.8	4,532	272
13635	Gemini ζ	4	52 14.20	3,566	69 8 57.8	4,533	272
13636	Gemini ζ	3½	52 14.23	3,566	69 8 59.9	4,533	253
13637	Monoceros....	8	52 16.90	3,283	80 41 42.6	4,536	210
13638	Monoceros....	7½	52 19.52	2,939	95 44 47.8	4,540	265
13639	Gemini	9½	52 20.21	3,774	61 35 49.3	4,541	144
13640	Monoceros....	8½	6 52 20.42	+3,149	86 29 46.5	+4,541	257

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13641	Monoceros....	6½	6 52 21.41	+3,286	80 35 5.4	+4,542	210
13642	Monoceros....	6½	52 24.85	2,826	100 36 24.0	4,547	269
13643	Canis Major ..	6½	52 26.69	2,816	101 1 35.4	4,550	269
13644	Gemini	8	52 26.93	3,517	71 3 2.2	4,551	255
13645	Auriga	8	52 29.30	4,046	53 8 20.9	4,554	208
13646	Monoceros....	9½	52 30.04	3,233	82 51 44.7	4,555	44
13647	Gemini	8½	52 32.53	3,418	75 2 16.6	4,558	263
13648	Monoceros....	6	52 32.88	3,328	78 46 8.1	4,559	312
13649	Lynx	9½	52 33.62	4,403	44 18 56.1	4,560	54
13650	Monoceros....	8	52 34.89	3,324	78 56 58.3	4,562	312
13651	Lynx	9	52 35.17	4,520	41 55 1.3	4,562	377
13652	Monoceros....	8	52 38.18	3,162	85 56 2.6	4,566	257
13653	Gemini	6	52 38.77	3,367	77 7 29.3	4,567	313
13654	Canis Major ..	9	52 50.98	2,788	102 13 43.7	4,584	270
13655	Gemini	9	52 51.13	3,815	60 11 57.3	4,584	53
13656	Gemini	7½	52 54.58	3,873	58 19 20.3	4,589	207
13657	Gemini	8	52 56.30	3,422	74 50 26.4	4,592	263
13658	Monoceros....	5	52 58.86	2,980	93 57 39.5	4,596	259
13659	Gemini	6	52 59.07	3,973	55 14 13.5	4,596	274
13660	Gemini	6	52 59.18	3,973	55 14 12.6	4,596	212
13661	Gemini	6	52 59.63	3,973	55 14 10.6	4,597	315
13662	Lynx	9	53 1.96	4,883	35 40 42.2	4,600	382
13663	Canis Major ..	7½	53 4.50	2,663	107 21 59.2	4,604	318
13664	Canis Major ..	7½	53 7.34	2,512	113 10 40.0	4,608	322
13665	Canis Major ..	8½	53 7.51	2,684	106 31 8.6	4,608	323
13666	Monoceros....	8	53 7.76	3,084	89 22 30.1	4,609	49
13667	Monoceros....	8	53 8.29	3,131	87 16 51.2	4,609	48
13668	Monoceros....	8½	53 9.54	3,265	81 29 4.6	4,611	44
13669	Monoceros....	8½	53 10.63	3,210	83 51 26.9	4,613	260
13670	Canis Major ..	9	53 11.02	2,661	107 25 26.5	4,613	318
13671	Canis Major ..	7½	53 17.35	2,511	113 13 30.6	4,623	322
13672	Auriga	9	53 18.19	4,093	51 48 20.2	4,624	208
13673	Canis Major ..	8	53 20.20	2,813	101 10 24.2	4,626	269
13674	Monoceros....	8	53 23.78	3,193	84 35 3.1	4,631	260
13675	Gemini	7½	53 26.57	3,681	64 50 52.4	4,635	145
13676	Monoceros....	8	53 29.13	3,063	90 16 30.5	4,638	49
13677	Canis Major ..	7½	53 29.33	2,517	113 1 53.9	4,639	322
13678	Monoceros....	8½	53 30.72	2,979	93 59 1.7	4,640	259
13679	Gemini	9	53 32.65	3,770	61 42 53.9	4,644	144
13680	Monoceros....	8	6 53 33.99	+3,020	92 11 29.3	+4,646	252

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13681	Gemini	9	6 53 36,25	+3,775	61 31 14,8	+4,649	144
13682	Monoceros....	8½	53 38,37	3,265	81 28 0,8	4,652	44
13683	Gemini	9	53 39,58	3,637	66 26 10,7	4,653	214
13684	Lynx	7	53 41,09	4,340	45 40 2,6	4,656	54
13685	Gemini	8	53 41,96	3,949	55 56 48,2	4,657	274
13686	Canis Major ..	8	53 43,69	2,795	100 54 59,3	4,660	269
13687	Canis Major ..	7½	53 46,32	2,512	113 13 9,6	4,663	322
13688	Gemini	8	53 46,53	3,576	68 42 58,8	4,663	272
13689	Monoceros....	8	53 46,56	3,168	85 41 39,5	4,663	257
13690	Canis Major ..	7½	53 47,98	2,664	107 18 8,9	4,666	318
13691	Canis Major ..	8	53 50,19	2,820	100 51 19,2	4,669	269
13692	Canis Major ..	7	53 51,50	2,686	106 25 6,2	4,671	323
13693	Canis Major ..	8	53 53,55	2,609	109 29 19,3	4,674	320
13694	Gemini	9	53 56,21	3,906	57 15 19,6	4,677	207
13695	Monoceros....	•	53 57,96	3,110	88 13 29,7	4,679	48
13696	Auriga	9	53 58,99	4,203	48 55 17,2	4,681	208
13697	Monoceros....	8½	53 59,27	3,164	85 52 6,9	4,681	257
13698	Lynx	7	53 59,44	5,123	32 20 58,4	4,681	381
13699	Monoceros....	8	54 0,34	3,211	83 47 16,9	4,684	260
13700	Gemini	8½	54 10,25	3,776	61 29 37,0	4,698	144
13701	Monoceros....	8½	54 10,59	3,271	81 10 36,6	4,698	44
13702	Gemini	7½	54 12,64	3,412	75 14 10,2	4,701	263
13703	Gemini	7½	54 12,68	3,412	75 14 17,1	4,701	313
13704	Gemini	6	54 13,02	3,957	55 41 48,1	4,701	274
13705	Gemini	6½	54 13,03	3,956	55 41 51,3	4,701	212
13706	Monoceros....	6	54 14,16	2,955	95 2 22,5	4,703	265
13707	Gemini	9	54 15,28	3,621	67 1 23,4	4,704	214
13708	Gemini	8½	54 21,40	3,552	69 37 14,0	4,713	253
13709	Canis Major ..	9	54 26,71	2,584	110 28 7,9	4,721	320
13710	Gemini	7½	54 30,36	3,429	74 31 39,5	4,726	263
13711	Lynx	8	54 34,84	5,149	31 59 56,4	4,733	381
13712*	Lynx	8	54 38,81	4,349	45 26 30,0	4,739	54
13713	Gemini	7½	54 39,56	3,493	71 57 52,7	4,740	255
13714	Canis Major 0'	3½	54 40,11	2,503	113 33 2,8	4,741	322
13715	Canis Minor ..	6	54 41,18	3,287	80 31 28,2	4,742	210
13716	Canis Minor ..	8	54 41,96	3,334	78 29 2,9	4,742	312
13717	Canis Major γ	3	54 42,70	2,713	105 20 52,6	4,743	323
13718	Canis Major γ	3	54 42,74	2,713	105 20 47,7	4,743	317
13719	Canis Major γ	3	54 42,76	2,713	105 20 53,6	4,743	277
13720	Canis Major γ	•	6 54 42,77	+2,713	105 20 51,7	+4,743	279

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13721	Canis Major γ	3	6 54 42.80	+2,713	105 20 54.4	+4,743	280
13722	Canis Major ..	8	54 43.67	2,793	102 0 9.1	4,744	270
13723	Gemini	9	54 49.56	3,866	58 29 46.2	4,753	207
13724	Gemini	7	54 51.11	3,774	61 31 49.3	4,755	144
13725	Gemini	7	54 51.33	3,774	61 31 46.5	4,755	53
13726	Lynx	8½	54 56.01	5,134	32 11 11.9	4,762	381
13727	Monoceros....	8	54 56.84	2,884	98 9 8.2	4,763	267
13728	Monoceros....	7½	54 57.73	2,837	100 10 2.9	4,764	269
13729	Monoceros....	8	54 59.10	3,058	90 29 31.8	4,766	50
13730	Auriga	7	55 3.14	4,075	52 15 24.2	4,772	209
13731	Gemini	6½	55 4.77	3,950	55 52 11.5	4,774	274
13732	Monoceros....	8	55 4.86	3,166	85 45 37.0	4,775	257
13733	Gemini	7	55 4.97	3,950	55 52 9.8	4,775	212
13734	Monoceros....	8	55 6.30	2,891	97 50 22.3	4,776	267
13735	Gemini	8	55 7.93	3,972	55 12 52.3	4,779	212
13736	Gemini	9	55 15.70	3,616	67 11 44.9	4,790	214
13737	Monoceros....	8½	55 16.63	3,210	83 49 0.4	4,792	260
13738	Canis Major ..	9	55 18.48	2,797	101 50 18.8	4,794	270
13739	Gemini	7½	55 18.84	3,621	67 0 7.7	4,795	214
13740	Auriga	9½	55 20.76	4,236	48 4 17.1	4,797	208
13741	Monoceros....	8	55 21.10	3,058	90 29 46.0	4,797	50
13742	Gemini	8	55 22.32	3,824	59 51 9.3	4,799	53
13743	Monoceros....	8½	55 23.14	3,216	83 35 17.0	4,800	260
13744	Gemini	9	55 23.56	3,510	71 16 35.1	4,801	253
13745	Monoceros....	8	55 28.03	3,049	90 54 48.0	4,807	50
13746	Gemini	9	55 31.11	3,869	58 22 21.3	4,811	207
13747	Auriga	9	55 32.07	4,118	51 5 16.3	4,812	209
13748	Canis Major ..	7½	55 39.25	2,574	110 53 40.2	4,823	320
13749*	Canis Major ..	8	55 40.30	2,567	111 9 0.1	4,825	320
13750	Gemini	8	55 40.76	3,386	76 17 56.7	4,826	313
13751	Lynx	9½	55 41.32	4,628	39 47 41.3	4,826	383
13752	Gemini	9	55 41.51	3,909	57 6 33.0	4,827	207
13753	Monoceros....	8	55 41.56	3,053	90 42 57.7	4,827	50
13754	Gemini	7	55 43.63	3,953	55 46 4.0	4,829	212
13755	Gemini	7	55 43.75	3,953	55 46 2.6	4,829	274
13756	Monoceros....	8½	55 43.88	2,874	98 33 24.7	4,831	267
13757	Gemini	9	55 45.74	3,775	61 29 34.8	4,833	144
13758	Gemini	•	55 46.63	3,444	73 54 1.1	4,834	263
13759	Canis Minor ..	8½	55 47.72	3,276	80 58 58.3	4,835	210
13760	Canis Major ..	8½	6 55 49.23	+2,698	105 59 26.2	+4,838	323

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13761	Monoceros....	8½	6 55 50.65	+3,216	83 33 47.1	+4,840	260
13762	Gemini	9	55 55.06	3,488	72 7 3.2	4,846	255
13763	Canis Major ..	8½	55 57.97	2,793	102 2 3.7	4,850	270
13764	Auriga	7	55 58.57	4,043	53 8 4.1	4,851	209
13765	Gemini	9	55 58.65	3,646	66 2 52.2	4,851	214
13766	Lynx	8	55 59.35	4,628	39 46 49.7	4,852	383
13767	Auriga	7	55 59.51	4,043	53 8 3.1	4,852	315
13768	Monoceros....	8	56 0.05	2,877	98 26 11.3	4,853	267
13769	Canis Minor ..	8	56 5.58	3,303	79 49 18.7	4,861	210
13770	Lynx	9	56 5.62	4,522	41 46 25.7	4,861	377
13771	Gemini	8½	56 8.38	3,532	70 22 2.3	4,865	253
13772	Monoceros....	9	56 15.06	2,875	98 30 43.7	4,874	267
13773	Canis Major ..	6	56 16.27	2,553	111 44 7.8	4,876	322
13774	Canis Major ..	7	56 16.65	2,579	110 42 15.0	4,876	320
13775	Lynx	8½	56 16.72	4,392	44 26 51.4	4,876	384
13776	Monoceros....	6½	56 22.85	2,832	100 21 56.2	4,885	269
13777	Canis Major ..	8	56 25.79	2,782	102 31 1.8	4,890	271
13778	Gemini	8	56 26.21	3,572	68 49 56.6	4,890	272
13779	Canis Major ..	8	56 26.63	2,732	104 34 35.6	4,891	277
13780	Monoceros....	8	56 26.91	3,006	92 49 8.5	4,891	252
13781	Monoceros....	6	56 29.13	3,188	84 47 29.3	4,895	260
13782	Canis Major ..	6½	56 32.80	2,568	111 9 38.3	4,899	320
13783*	Gemini	8	56 33.80	3,832	59 32 53.7	4,901	53
13784	Gemini	8	56 34.03	3,438	74 9 31.6	4,901	263
13785*	Lynx	9	56 34.78	4,621	39 54 2.0	4,903	383
13786	Canis Major ..	8	56 37.21	2,758	103 31 41.8	4,906	277
13787	Gemini	9	56 37.25	3,482	72 21 34.7	4,906	255
13788	Gemini	8	56 37.67	3,600	67 45 11.6	4,906	272
13789	Gemini	9	56 43.66	3,769	61 38 30.2	4,915	144
13790	Gemini	8	56 44.09	3,366	77 7 39.3	4,915	312
13791	Gemini	8	56 45.03	3,437	74 9 54.7	4,917	263
13792	Gemini	7½	56 47.72	3,703	63 57 23.0	4,920	145
13793	Monoceros....	9	56 47.93	3,014	92 26 57.8	4,920	252
13794	Gemini	7½	56 51.76	3,452	73 33 41.0	4,926	263
13795	Lynx	7	56 52.98	4,908	35 11 44.3	4,928	382
13796	Gemini	6	56 53.33	3,447	73 45 44.2	4,928	263
13797	Gemini	8	56 54.97	3,703	63 57 32.0	4,930	145
13798	Gemini	8½	56 59.19	3,701	64 2 54.2	4,937	145
13799	Canis Minor ..	6½	57 0.19	3,247	82 13 36.9	4,939	44
13800	Gemini	8½	6 57 2.46	+3,482	72 20 34.8	+4,941	255

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13801	Gemini	8	6 57 6.66	+3.490	72 2 26.4	+4.948	255
13802	Monoceros	8	57 8.55	2.952	95 10 23.7	4.950	259
13803	Monoceros	8	57 8.93	2.952	95 10 26.6	4.950	265
13804	Gemini	9	57 9.45	3.645	66 3 16.5	4.951	214
13805	Canis Major ..	9	57 10.69	2.814	101 9 12.3	4.953	269
13806	Gemini	8	57 11.15	3.596	67 53 55.8	4.953	272
13807	Monoceros	8	57 14.51	3.009	92 39 57.7	4.958	275
13808	Monoceros	8½	57 14.96	3.009	92 39 52.5	4.960	252
13809	Gemini	8	57 16.41	3.725	63 10 2.8	4.962	144
13810	Canis Major ..	7½	57 17.15	2.792	102 5 52.3	4.963	271
13811	Canis Major ..	5½	57 17.31	2.818	100 59 45.7	4.963	269
13812	Auriga . . . . .	.	57 20.32	4.171	49 38 35.6	4.967	6
13813	Gemini	8	57 22.14	3.537	70 8 52.2	4.969	253
13814	Canis Minor ..	8½	57 25.17	3.269	81 13 51.1	4.974	210
13815	Canis Minor ..	7½	57 25.27	3.327	78 46 18.9	4.974	312
13816	Monoceros	9	57 26.32	3.172	85 28 32.1	4.975	257
13817	Gemini	8½	57 28.11	3.590	68 6 9.1	4.977	272
13818	Gemini	9	57 28.64	3.525	70 38 58.9	4.978	253
13819	Auriga	9	57 29.36	4.068	52 23 37.0	4.979	209
13820	Canis Minor ..	8	57 31.98	3.256	81 48 54.3	4.983	44
13821	Canis Major ..	8	57 32.88	2.817	101 1 42.9	4.984	269
13822	Lynx	7	57 39.27	4.327	45 50 39.8	4.994	54
13823	Canis Major ..	9	57 41.47	2.796	101 56 9.8	4.997	271
13824	Gemini	8½	57 41.74	3.499	71 39 54.2	4.997	255
13825	Canis Minor ..	8	57 41.94	3.306	79 40 19.1	4.997	210
13826	Gemini	9	57 43.28	3.908	57 4 20.6	4.999	207
13827	Gemini	8	57 43.43	3.908	57 4 22.6	4.999	212
13828	Gemini	8	57 43.46	3.908	57 4 23.0	4.999	274
13829	Monoceros	8	57 47.15	3.000	93 4 10.8	5.005	275
13830	Monoceros	8½	57 47.51	3.000	93 4 6.5	5.005	252
13831	Gemini	8	57 52.09	3.896	57 27 51.1	5.012	207
13832	Auriga	5	57 52.60	4.142	50 22 7.9	5.012	6
13833	Canis Major ..	9	57 54.47	2.797	101 53 29.7	5.014	271
13834	Monoceros	8½	57 58.31	3.176	85 18 9.9	5.020	257
13835	Canis Major ..	8	57 58.95	2.517	113 7 41.6	5.021	322
13836	Monoceros	7½	58 2.83	3.171	85 31 7.4	5.027	257
13837	Monoceros	7½	58 3.00	2.971	94 22 30.9	5.027	259
13838	Lynx	8	58 6.72	4.333	45 42 18.9	5.031	54
13839	Lynx	8	58 8.74	5.110	32 23 53.3	5.035	381
13840	Gemini	8½	6 58 10.43	+3.587	68 13 47.5	+5.037	272

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13841	Monoceros....	8	6 58 11,56	+3,004	92 53 20,5	+5,039	275
13842	Lynx	9	58 11,58	4,661	39 7 29,5	5,039	383
13843	Monoceros....	8½	58 11,72	3,004	92 53 14,2	5,040	252
13844	Monoceros....	9	58 12,07	3,002	92 58 57,4	5,040	252
13845	Gemini	8½	58 12,19	3,504	71 28 4,1	5,040	255
13846	Monoceros....	8½	58 12,37	3,002	92 59 1,7	5,040	275
13847	Gemini	8	58 12,44	3,519	70 50 52,3	5,040	253
13848	Canis Major ..	8	58 13,01	2,753	103 44 57,2	5,041	277
13849	Gemini	7	58 13,80	3,582	68 25 2,7	5,042	272
13850	Lynx	7½	58 16,10	4,503	42 4 24,7	5,045	377
13851	Gemini	8½	58 16,63	3,908	57 4 29,8	5,047	213
13852	Gemini	9	58 16,79	3,908	57 4 20,8	5,047	207
13853	Gemini	9	58 17,36	3,908	57 4 23,2	5,047	274
13854	Gemini	8	58 18,19	3,924	56 34 33,4	5,048	213
13855	Monoceros....	9	58 18,27	3,087	89 14 12,7	5,048	50
13856	Gemini	8½	58 20,48	3,657	65 34 36,4	5,052	214
13857	Canis Minor ..	8½	58 21,46	3,279	80 49 48,1	5,053	210
13858	Lynx	8	58 26,03	5,110	32 22 52,4	5,059	381
13859	Canis Major ..	9	58 32,52	2,725	104 57 48,9	5,069	277
13860	Auriga	9	58 32,95	4,099	51 29 39,7	5,069	209
13861	Monoceros....	9	58 36,70	3,077	89 41 3,8	5,075	50
13862	Gemini	8	58 37,65	3,837	59 19 54,5	5,076	53
13863	Gemini	7½	58 38,73	3,379	76 32 34,6	5,077	313
13864	Canis Major ..	7½	58 42,47	2,804	101 37 13,8	5,083	271
13865	Monoceros....	8	58 42,57	3,128	87 26 17,5	5,083	48
13866	Lynx	8	58 42,61	4,486	42 25 2,3	5,083	377
13867	Gemini	8½	58 46,14	3,868	58 18 34,2	5,088	207
13868	Lynx	7½	58 46,62	4,548	41 11 4,7	5,089	383
13869	Gemini	9	58 46,80	3,691	64 21 47,2	5,089	145
13870	Canis Major ..	7	58 49,62	2,713	105 23 42,0	5,092	280
13871	Canis Major ..	8	58 49,71	2,713	105 23 48,7	5,093	323
13872	Canis Minor ..	7½	58 53,32	3,289	80 22 51,5	5,098	210
13873	Auriga	7½	58 56,32	4,025	53 33 29,8	5,101	317
13874	Lynx	7½	58 57,20	4,778	37 7 58,4	5,103	382
13875	Camelopardus .	8½	58 57,78	6,128	22 55 14,5	5,104	376
13876	Monoceros....	9	58 57,81	3,152	86 19 49,0	5,104	257
13877	Canis Major ..	6½	59 0,69	2,506	113 32 8,4	5,109	322
13878	Canis Major ..	9	59 1,87	2,805	101 32 51,9	5,110	271
13879	Gemini	8	59 2,50	3,672	65 1 24,9	5,111	145
13880	Monoceros....	8	6 59 6,02	+3,120	87 46 11,5	+5,116	48

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13881	Canis Minor ..	8	6 59 7.76	+3,252	81 57 50.6	+5,118	44
13882	Gemini	9½	59 9.70	3,872	58 11 37.2	5,122	207
13883	Canis Minor ..	9	59 11.98	3,256	81 48 26.3	5,124	44
13884	Gemini	9	59 13.62	3,957	55 31 49.2	5,126	274
13885	Monoceros....	9	59 22.05	2,896	97 37 57.8	5,139	267
13886	Gemini 7	5	59 23.83	3,833	59 26 33.0	5,140	53
13887	Monoceros....	9½	59 26.01	3,046	91 3 12.4	5,144	50
13888	Monoceros....	9	59 27.31	2,900	97 27 52.3	5,146	267
13889	Gemini	8	59 33.22	3,555	69 25 34.1	5,154	253
13890	Gemini	9	59 35.28	3,960	55 25 58.9	5,157	218
13891	Gemini	8½	59 35.66	3,960	55 25 57.4	5,157	274
13892	Canis Major ..	8	59 39.39	2,642	108 17 51.2	5,163	318
13893	Canis Minor ..	9	59 41.14	3,220	83 23 1.9	5,165	260
13894	Canis Minor ..	8½	59 42.65	3,277	80 54 11.5	5,168	210
13895	Gemini	8	59 42.90	3,839	59 12 55.0	5,168	53
13896	Monoceros....	7	59 44.49	2,940	95 44 1.9	5,170	265
13897	Canis Major ..	7	59 44.67	2,585	110 33 8.5	5,170	320
13898	Monoceros....	9	59 45.30	2,948	95 22 0.8	5,171	265
13899	Canis Minor ..	8	59 46.82	3,214	83 36 57.3	5,174	260
13900	Canis Minor ..	8½	59 47.77	3,283	80 36 20.1	5,175	210
13901	Gemini	7	59 50.55	3,432	74 21 5.0	5,178	313
13902	Gemini	8	59 51.12	3,432	74 21 2.7	5,180	263
13903	Gemini	8½	59 51.81	3,592	67 58 55.6	5,181	272
13904	Monoceros....	6½	59 51.95	2,841	100 2 10.1	5,181	269
13905	Gemini	9	59 51.99	3,772	61 28 5.3	5,181	144
13906	Canis Minor ..	8	59 52.32	3,290	80 18 33.8	5,181	210
13907	Lynx	9	59 54.12	5,136	32 1 4.2	5,184	381
13908	Auriga	9	59 59.53	4,269	47 8 3.9	5,192	54
13909	Auriga	9½	6 59 59.67	4,269	47 8 9.9	5,192	208
13910	Gemini	8	7 0 1.20	3,545	69 47 54.6	5,194	253
13911	Monoceros....	8	0 3.75	2,947	95 25 29.0	5,198	265
13912	Monoceros....	9	0 3.95	3,114	88 2 17.5	5,198	48
13913	Auriga	9	0 4.13	4,095	51 34 12.2	5,198	209
13914	Gemini	•	0 5.56	3,780	61 10 50.1	5,200	144
13915	Gemini	7½	0 9.47	3,886	57 42 54.0	5,205	207
13916	Lynx	8	0 14.25	5,167	31 37 5.0	5,212	381
13917	Monoceros....	9	0 14.64	3,122	87 41 58.3	5,212	263
13918	Gemini	9½	0 15.26	3,658	65 29 57.1	5,213	214
13919	Monoceros....	9	0 16.18	3,073	89 50 40.1	5,214	50
13920	Gemini	6½	7 0 16.50	+3,657	65 33 2.1	+5,216	214

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13921	Monoceros....	6	7 0 17.59	+2,981	93 56 13.4	+5,217	259
13922	Monoceros....	8½	0 26.21	3,144	86 43 7.1	5,229	257
13923	Gemini	7½	0 30.48	3,701	63 55 50.3	5,235	145
13924	Camelopardus..	9½	0 30.49	6,264	22 0 17.4	5,235	376
13925	Canis Major ..	7	0 30.79	2,725	104 55 52.3	5,235	277
13926	Monoceros....	8	0 32.26	3,035	91 31 43.2	5,237	275
13927	Monoceros....	9	0 32.31	3,035	91 31 38.5	5,237	252
13928	Canis Major ..	6½	0 32.49	2,701	105 55 18.0	5,237	280
13929	Canis Major ..	6½	0 32.85	2,701	105 55 21.7	5,238	323
13930	Gemini	8	0 35.33	3,891	57 31 53.0	5,242	207
13931	Gemini	8½	0 36.01	3,759	61 53 40.5	5,242	144
13932	Monoceros....	7	0 42.23	3,149	86 29 24.8	5,252	257
13933	Gemini	8	0 45.09	3,573	68 42 40.4	5,255	272
13934	Canis Major ..	8½	0 46.46	2,807	101 29 18.8	5,258	271
13935	Canis Minor ..	8	0 47.89	3,317	79 10 1.1	5,259	312
13936	Gemini	8	0 49.46	4,003	54 7 47.4	5,261	317
13937	Gemini	7½	0 51.55	3,583	68 19 29.2	5,265	272
13938	Canis Major ..	7	0 51.87	2,702	105 55 15.0	5,265	280
13939	Canis Major ..	7	0 52.35	2,702	105 55 17.7	5,265	323
13940	Monoceros....	8½	0 52.52	3,142	86 48 4.3	5,266	257
13941	Monoceros....	8	0 53.55	2,899	97 33 16.0	5,267	267
13942	Lynx	6	0 57.05	4,482	42 25 18.9	5,272	377
13943	Monoceros....	9	0 58.98	3,114	88 2 35.1	5,274	48
13944	Monoceros....	8	0 59.35	3,114	88 2 38.1	5,276	263
13945	Monoceros....	9	0 59.94	2,989	93 33 35.7	5,276	259
13946	Monoceros....	8	1 1.17	2,846	99 50 50.6	5,278	269
13947	Monoceros....	9½	1 3.81	2,946	95 29 39.5	5,282	265
13948	Monoceros....	7½	1 5.36	2,989	93 34 48.7	5,283	259
13949	Monoceros....	6½	1 10.16	3,070	89 58 58.9	5,290	50
13950	Canis Minor ..	6	1 11.08	3,205	84 1 30.2	5,291	260
13951	Monoceros....	8	1 11.50	3,009	92 41 3.9	5,292	275
13952	Canis Major ..	8½	1 14.38	2,737	104 27 2.2	5,297	277
13953	Gemini	8	1 15.77	3,779	61 10 50.3	5,299	53
13954	Gemini	8	1 15.85	3,779	61 10 49.6	5,299	144
13955	Lynx	9	1 16.63	4,384	44 27 46.0	5,301	384
13956	Canis Major ..	6	1 20.85	2,641	108 22 17.0	5,306	318
13957	Canis Major ..	8	1 22.27	2,645	108 14 16.2	5,308	318
13958	Gemini	9	1 22.89	3,781	61 6 56.5	5,309	144
13959	Canis Major ..	8½	1 23.46	2,811	101 21 21.5	5,309	271
13960	Gemini	9½	7 1 23.49	+3,781	61 7 5.4	+5,309	53

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13961	Gemini	7½	7	1	23.51	+3.427	74	29	56.5	+5.309	313
13962*	Lynx	7		1	25.00	4.393	44	15	45.9	5.311	384
13963	Lynx	9		1	27.52	4.500	42	2	0.9	5.315	377
13964	Canis Minor ..	6		1	28.05	3.201	84	12	16.6	5.316	260
13965	Canis Minor ..	8		1	28.40	3.309	79	28	50.6	5.316	312
13966	Canis Minor ..	8		1	28.95	3.309	79	28	48.1	5.318	210
13967	Gemini	8		1	31.24	3.520	70	45	17.0	5.320	253
13968	Auriga	9		1	34.62	4.248	47	34	33.6	5.325	208
13969	Canis Minor ..	9		1	34.92	3.304	79	41	27.4	5.326	210
13970	Lynx	9		1	35.45	4.282	46	6	13.0	5.326	54
13971	Monoceros....	5		1	38.77	3.066	90	10	21.5	5.331	50
13972	Gemini .....	.		1	44.66	3.680	64	39	23.6	5.339	14
13973	Monoceros....	8		1	47.67	2.837	100	13	20.3	5.343	269
13974	Lynx	6		1	49.33	4.747	37	32	2.9	5.346	382
13975	Canis Major ..	8		1	49.60	2.602	109	57	29.4	5.346	320
13976	Auriga	8		1	50.50	4.241	47	43	55.8	5.347	208
13977	Gemini	6		1	52.17	3.451	73	30	54.2	5.350	255
13978	Gemini	6		1	52.49	3.451	73	30	55.3	5.351	51
13979	Gemini	9		1	52.67	3.867	58	15	9.2	5.351	207
13980	Monoceros....	7		1	52.70	2.840	100	6	34.8	5.351	269
13981	Canis Major ..	8		1	56.81	2.802	101	43	4.1	5.357	271
13982	Canis Major ..	8		1	58.71	2.658	107	43	37.1	5.359	318
13983	Monoceros....	9		2	0.44	2.949	95	20	49.3	5.362	265
13984	Gemini	9		2	0.70	3.869	58	11	10.1	5.362	207
13985	Monoceros....	8½		2	3.17	3.087	89	12	31.7	5.365	263
13986	Gemini	9		2	3.91	3.653	65	39	8.8	5.367	214
13987	Gemini	9		2	5.82	3.777	61	13	38.9	5.369	144
13988	Gemini	6½		2	6.02	3.393	75	54	37.4	5.369	313
13989	Canis Major ..	8½		2	12.55	2.778	102	44	57.2	5.378	271
13990	Gemini	7½		2	13.00	3.672	64	57	44.3	5.379	145
13991	Monoceros....	8½		2	13.04	3.009	92	41	32.2	5.379	275
13992	Lynx	9		2	13.39	4.541	41	12	3.2	5.379	383
13993	Monoceros....	8½		2	15.69	3.090	89	5	41.5	5.383	263
13994	Monoceros....	8		2	18.82	2.954	95	7	21.9	5.388	259
13995	Monoceros....	8		2	19.40	2.954	95	7	18.8	5.388	265
13996	Gemini	8		2	20.64	3.461	73	5	33.0	5.391	51
13997	Gemini	9		2	21.40	3.534	70	11	3.6	5.392	253
13998	Gemini	8		2	21.84	3.461	73	5	31.9	5.392	255
13999	Monoceros....	9		2	23.13	3.042	91	14	4.1	5.393	50
14000	Auriga	8½	7	2	23.14	+4.045	52	52	44.9	+5.393	209

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14001	Gemini	9	7	2	23.91	+3,652	65	39	42.9	+5,394	214
14002	Canis Minor ..	8		2	24.34	3,161	85	55	44.2	5,395	257
14003	Gemini	6		2	27.30	3,676	64	46	59.1	5,399	146
14004	Gemini	9½		2	27.81	3,647	65	51	50.1	5,400	214
14005	Canis Minor ..	8½		2	28.40	3,143	86	45	19.7	5,400	257
14006	Canis Major ..	6		2	29.58	2,676	107	0	40.8	5,403	318
14007	Canis Major ..	7		2	29.79	2,676	107	0	34.3	5,403	280
14008	Monoceros....	8½		2	31.53	3,011	92	37	41.2	5,405	275
14009	Monoceros....	9		2	34.35	3,093	88	57	56.9	5,409	48
14010	Monoceros....	8½		2	35.67	3,093	88	58	7.4	5,412	263
14011	Gemini	8		2	40.27	3,398	75	41	50.2	5,418	313
14012	Lynx	9		2	40.42	4,651	39	9	29.9	5,418	383
14013	Monoceros....	8		2	41.58	3,006	92	51	0.6	5,419	275
14014*	Lynx	8½		2	45.22	4,434	43	20	30.4	5,424	384
14015	Canis Minor ..	6½		2	45.90	3,320	78	58	50.1	5,425	312
14016	Gemini	8½		2	47.09	3,460	73	7	37.1	5,426	255
14017	Canis Major ..	9		2	47.50	2,723	105	3	7.4	5,428	277
14018	Canis Major ..	7½		2	49.14	2,510	113	29	8.7	5,430	322
14019	Gemini	8		2	51.36	3,539	69	58	9.5	5,433	253
14020	Canis Minor ..	8		2	53.33	3,292	80	12	8.6	5,437	210
14021	Canis Minor ..	8½		2	59.92	3,318	79	5	28.3	5,445	312
14022	Gemini	8½		3	1.62	3,462	73	3	52.1	5,448	255
14023	Gemini	8½		3	2.74	3,898	57	13	48.4	5,449	274
14024	Canis Major ..	6		3	4.13	2,587	110	33	40.1	5,451	320
14025	Monoceros....	7½		3	4.67	3,071	89	55	54.7	5,451	50
14026	Monoceros....	8		3	6.30	2,916	96	49	23.7	5,454	265
14027	Gemini	9½		3	14.86	3,848	58	49	7.2	5,467	207
14028*	Lynx	5		3	17.39	4,592	40	11	49.0	5,469	383
14029	Canis Major ..	8		3	20.28	2,648	108	9	30.1	5,474	318
14030	Gemini	8½		3	20.89	3,648	65	48	33.4	5,474	214
14031	Gemini	•		3	23.70	3,800	60	24	35.8	5,478	53
14032	Canis Minor ..	8½		3	26.64	3,240	82	26	24.7	5,483	44
14033	Gemini	6		3	26.72	3,760	61	46	8.0	5,483	144
14034	Canis Major ..	8		3	27.11	2,813	101	16	25.4	5,483	269
14035	Canis Minor ..	7½		3	27.51	3,180	85	5	25.6	5,484	260
14036	Lynx	8		3	29.18	4,377	44	31	48.5	5,487	384
14037	Gemini	8½		3	34.64	3,463	72	59	44.1	5,494	255
14038	Gemini	7½		3	35.67	3,597	67	41	56.3	5,495	272
14039	Gemini	•		3	36.29	3,844	58	57	29.5	5,495	207
14040	Canis Major ..	9	7	3	36.45	+2,795	102	3	2.9	+5,496	271

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14041	Gemini	9	7	3	37.96	+3,602	67° 30' 28.1	+5,498	172
14042	Gemini	7½		3	38.14	3,919	56 33 34.1	5,498	213
14043	Canis Major ..	8		3	41.13	2,721	105 10 31.9	5,503	280
14044	Canis Major ..	8		3	41.20	2,721	105 10 29.2	5,503	277
14045	Canis Minor ..	8		3	41.73	3,280	80 43 7.6	5,503	210
14046	Monoceros....	6		3	42.74	2,821	100 55 23.1	5,505	269
14047	Auriga	8		3	44.33	4,199	48 42 54.2	5,507	208
14048	Canis Major ..	8½		3	45.79	2,554	111 50 22.1	5,509	322
14049	Canis Minor ..	6		3	50.96	3,147	86 33 20.7	5,517	257
14050	Monoceros....	8		3	51.75	2,961	94 49 31.6	5,518	259
14051	Canis Major ..	8		3	54.05	2,736	104 33 28.5	5,521	277
14052	Canis Minor ..	8		3	55.36	3,202	84 23 40.5	5,522	260
14053	Gemini	8		3	55.54	3,542	69 49 0.6	5,523	253
14054	Monoceros....	8½		3	57.54	2,992	93 23 37.9	5,526	259
14055	Canis Minor ..	9		3	57.71	3,277	80 48 57.9	5,526	210
14056	Auriga	7½		3	58.82	4,015	53 39 47.6	5,527	317
14057	Auriga	6½		4	1.19	4,119	50 46 57.7	5,531	323
14058	Canis Minor ..	8½		4	3.64	3,240	82 26 28.1	5,535	44
14059	Canis Major ..	8		4	5.34	2,731	104 46 5.4	5,538	277
14060	Canis Major ..	9		4	6.24	2,693	106 19 13.0	5,539	280
14061	Auriga	6		4	6.29	4,196	48 46 37.1	5,539	6
14062	Auriga	6		4	6.57	4,196	48 46 36.4	5,539	208
14063	Gemini	7½		4	9.01	3,918	56 33 31.4	5,543	274
14064	Canis Minor ..	9½		4	9.21	3,278	80 48 45.9	5,543	210
14065	Canis Major ..	8½		4	9.59	2,743	104 15 4.1	5,543	277
14066	Monoceros....	7		4	13.33	2,990	93 34 16.6	5,547	259
14067	Canis Minor ..	8½		4	13.89	3,170	85 30 54.0	5,549	257
14068	Gemini	8		4	19.37	3,882	57 41 58.3	5,556	207
14069	Monoceros ...	8½		4	21.26	3,037	91 26 39.0	5,559	275
14070	Canis Minor ..	8		4	24.01	3,185	84 51 33.5	5,563	261
14071	Gemini	9		4	28.10	3,916	56 37 1.5	5,568	213
14072	Gemini	9		4	28.13	3,648	65 46 33.7	5,568	214
14073	Gemini	9		4	28.54	3,916	56 36 59.5	5,569	274
14074	Canis Minor ..	7½		4	32.90	3,292	80 9 54.2	5,576	210
14075	Gemini	8		4	36.91	3,665	65 7 18.3	5,581	146
14076	Monoceros....	9		4	37.66	2,908	97 11 8.1	5,582	265
14077	Monoceros....	8½		4	38.17	3,114	88 1 43.1	5,582	263
14078	Gemini	7½		4	38.33	3,874	57 57 38.7	5,584	207
14079	Canis Minor ..	9		4	38.99	3,178	85 10 14.0	5,584	261
14080	Gemini	7	7	4	39.14	+3,725	62 57 45.6	+5,585	144

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14081	Monoceros....	9	7 4 39.42	+2,911	97 2 37.8	+5,585	265
14082	Auriga	5½	4 43.07	4,195	48 46 36.5	5,590	323
14083	Monoceros....	7	4 44.75	2,852	99 36 55.8	5,593	269
14084	Canis Minor ..	7	4 48.50	3,257	81 41 11.9	5,598	44
14085	Gemini	8	4 51.77	3,979	54 42 18.5	5,602	317
14086	Gemini	8	4 53.99	3,716	63 17 43.7	5,606	146
14087	Gemini	8	4 54.47	3,716	63 17 43.0	5,606	144
14088	Canis Major ..	.	4 54.97	2,542	112 20 23.9	5,607	322
14089	Canis Minor ..	8	4 57.90	3,297	79 56 57.0	5,610	210
14090	Monoceros....	8	4 57.98	3,014	92 29 17.5	5,610	275
14091	Monoceros....	6	4 59.52	2,844	99 58 55.2	5,613	269
14092	Monoceros....	9	5 2.52	3,091	89 2 16.3	5,616	48
14093	Monoceros....	7½	5 5.07	3,074	89 49 28.6	5,620	50
14094	Lynx	9	5 7.10	4,462	42 40 19.1	5,623	377
14095	Monoceros....	9	5 10.37	3,095	88 52 3.0	5,627	48
14096	Auriga	7	5 12.53	4,110	50 58 52.1	5,631	323
14097	Auriga	9	5 13.92	4,110	50 59 1.9	5,632	6
14098	Gemini	7	5 15.57	3,850	58 42 1.8	5,635	207
14099	Gemini .....	.	5 15.78	3,449	73 30 54.0	5,635	51
14100	Gemini	6	5 15.99	3,850	58 42 0.2	5,635	53
14101	Lynx	9	5 18.43	4,376	44 30 2.8	5,639	384
14102	Monoceros....	8	5 18.46	2,904	97 20 38.5	5,639	267
14103	Monoceros....	8	5 18.98	2,904	97 20 38.8	5,640	265
14104	Canis Minor ..	9	5 20.40	3,210	83 44 15.8	5,641	261
14105	Canis Major ..	6	5 20.64	2,536	112 34 24.1	5,643	322
14106	Gemini	8	5 21.43	3,565	68 54 45.0	5,643	253
14107	Monoceros....	8	5 27.26	3,036	91 31 17.5	5,652	275
14108	Gemini	8	5 27.55	3,565	68 54 41.9	5,652	272
14109	Canis Major ..	8½	5 30.84	2,650	108 5 58.1	5,656	318
14110	Gemini	8	5 33.13	3,714	63 19 20.3	5,659	144
14111	Gemini	8	5 33.28	3,714	63 19 22.0	5,659	146
14112	Canis Minor ..	.	5 37.29	3,288	80 19 20.7	5,665	210
14113	Gemini	7½	5 39.53	3,453	73 21 55.0	5,669	51
14114	Canis Major ..	7½	5 43.21	2,723	105 8 14.3	5,674	280
14115	Gemini	8	5 44.51	3,578	68 22 4.5	5,675	272
14116	Canis Minor ..	9	5 44.71	3,217	83 27 26.5	5,675	261
14117	Gemini	7	5 45.98	3,985	54 29 44.5	5,678	317
14118	Canis Major ..	7½	5 49.84	2,612	109 39 24.0	5,683	320
14119	Gemini	8½	5 54.69	3,652	65 34 41.0	5,690	214
14120	Auriga	8	7 5 56.73	+4,037	52 58 33.2	+5,693	209

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14121	Canis Major ..	7½	7	6	0.13	+2,744	104	15	58.6	+5,698	277
14122	Canis Minor ..	7½		6	2.31	3,291	80	11	37.7	5,701	210
14123	Canis Major ..	7		6	3.54	2,536	112	36	14.5	5,702	322
14124	Canis Minor ..	9		6	3.81	3,146	86	36	39.5	5,702	257
14125	Gemini	9		6	6.90	3,533	70	6	26.5	5,707	253
14126	Gemini	7		6	8.03	3,964	55	6	19.1	5,709	317
14127	Gemini	8		6	8.10	3,964	55	6	17.9	5,709	213
14128	Canis Minor ..	9		6	11.72	3,120	87	46	21.3	5,714	48
14129	Canis Minor ..	7½		6	12.09	3,119	87	46	22.1	5,714	263
14130	Canis Minor ..	8		6	13.87	3,149	86	28	6.2	5,716	257
14131	Monoceros....	6		6	15.17	2,838	100	14	36.5	5,719	269
14132	Canis Major ..	9		6	17.76	2,612	109	39	26.1	5,723	320
14133	Auriga	8		6	24.71	4,155	49	43	44.4	5,732	323
14134	Lynx	8½		6	28.72	4,944	34	21	21.9	5,737	382
14135	Lynx	7		6	30.05	4,944	34	21	36.9	5,739	382
14136	Monoceros....	8½		6	30.62	2,822	100	55	1.9	5,740	269
14137	Canis Minor ..	7½		6	33.31	3,228	82	58	24.2	5,744	44
14138	Monoceros....	8		6	33.73	2,900	97	32	19.4	5,744	267
14139	Gemini λ	4		6	35.11	3,459	73	6	41.9	5,746	255
14140	Gemini λ	5		6	35.12	3,459	73	6	42.2	5,746	51
14141	Canis Minor ..	9		6	35.27	3,285	80	26	46.1	5,746	210
14142	Canis Major ..	8		6	35.99	2,541	112	26	17.1	5,748	322
14143	Monoceros....	9		6	38.58	2,921	96	36	58.2	5,751	265
14144	Gemini	8		6	39.22	3,846	58	49	50.2	5,751	53
14145	Canis Minor ..	7		6	41.78	3,287	80	21	23.1	5,755	210
14146	Canis Major ..	9		6	41.94	2,780	102	43	3.4	5,755	271
14147	Gemini	9		6	42.45	3,653	65	31	57.3	5,756	214
14148	Canis Minor ..	8		6	44.00	3,130	87	16	49.2	5,758	263
14149	Lynx	8½		6	45.97	5,115	32	3	41.0	5,761	381
14150	Lynx	6		6	46.44	4,377	44	25	8.9	5,762	384
14151	Canis Major ..	8½		6	46.98	2,747	104	9	23.4	5,762	277
14152	Monoceros....	8½		6	49.26	2,964	94	41	32.0	5,766	259
14153	Gemini	9		6	50.09	3,732	62	38	51.2	5,768	144
14154	Canis Major ..	8		6	50.78	2,760	103	35	59.8	5,768	277
14155	Gemini	8		6	51.44	3,932	56	2	1.8	5,769	213
14156	Gemini	7½		6	51.70	3,932	56	2	0.6	5,769	274
14157	Canis Major ..	8		6	52.80	2,609	109	47	15.2	5,772	320
14158	Monoceros....	8½		6	52.89	2,994	93	21	32.7	5,772	259
14159	Monoceros....	9		6	52.98	3,042	91	14	34.8	5,772	50
14160	Monoceros....	8	7	6	53.60	+3,042	91	14	32.2	+5,772	275

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14161	Lynx	8½	7	6	53.61	+4,624	39 29 40.3	+5.772	383
14162	Lynx	6		6	53.91	4,264	46 59 20.2	5.773	54
14163	Lynx	7½		6	53.99	4,264	46 59 14.9	5.773	208
14164	Lynx	8½		6	55.35	4,624	39 29 34.1	5.775	383
14165	Canis Major ..	8		6	56.48	2,746	104 10 2.4	5.776	277
14166	Monoceros....	9		7	2.85	3,092	89 0 10.3	5.785	48
14167	Gemini	7½		7	7.28	3,727	62 49 32.5	5.792	144
14168	Monoceros....	9		7	10.09	2,919	96 41 44.5	5.795	265
14169	Monoceros....	8½		7	10.73	3,037	92 26 39.7	5.795	275
14170*	Canis Major ..	6		7	11.09	2,721	105 14 31.2	5.797	280
14171	Canis Major ..	8½		7	14.16	2,817	101 8 35.0	5,801	269
14172	Monoceros....	8		7	16.65	2,909	97 10 45.9	5,805	265
14173	Monoceros....	8		7	19.69	2,968	94 31 59.8	5,809	259
14174	Canis Major ..	8		7	21.73	2,580	110 56 35.8	5,812	320
14175	Monoceros....	8½		7	23.83	2,881	98 23 18.4	5,815	267
14176	Gemini	9		7	25.64	3,861	58 16 48.9	5,817	207
14177	Gemini	8		7	25.89	3,597	67 37 22.2	5,817	272
14178	Auriga	8		7	33.37	4,123	50 32 56.2	5,828	323
14179	Canis Minor ..	9		7	34.61	3,219	83 21 8.8	5,829	261
14180	Monoceros....	8		7	37.10	2,994	93 24 2.0	5,833	259
14181	Monoceros....	8½		7	37.49	3,043	91 12 5.0	5,833	50
14182	Monoceros....	8½		7	44.88	3,033	91 37 52.3	5,843	275
14183	Canis Major ..	7½		7	45.09	2,805	101 41 1.6	5,843	271
14184	Monoceros....	6½		7	46.11	2,928	96 19 59.7	5,844	265
14185	Gemini	8		7	51.32	3,764	61 31 22.6	5,853	144
14186	Canis Minor ..	8		7	53.13	3,269	81 9 41.6	5,856	44
14187	Canis Major ..	7½		7	55.16	2,759	103 38 30.3	5,858	277
14188	Canis Major ..	7½		7	57.98	2,739	104 30 6.2	5,862	277
14189	Auriga	8		7	59.76	4,070	51 58 22.1	5,864	209
14190	Auriga	8		8	1.82	4,208	48 19 41.2	5,866	208
14191	Monoceros....	8		8	1.94	3,008	92 45 54.0	5,868	275
14192	Gemini	8½		8	2.08	3,426	74 26 37.5	5,868	51
14193	Gemini	9½		8	4.32	3,871	57 55 49.8	5,870	207
14194	Gemini	9		8	4.65	3,537	69 56 29.8	5,870	253
14195	Canis Minor ..	8		8	4.95	3,310	79 19 57.1	5,872	210
14196	Gemini	8		8	9.39	3,811	59 54 31.8	5,878	53
14197	Gemini δ	3		8	10.15	3,595	67 39 44.5	5,879	272
14198	Gemini δ	3		8	10.33	3,595	67 39 46.6	5,879	214
14199	Gemini δ	•		8	10.74	3,595	67 39 47.1	5,880	255
14200	Canis Major ..	5	7	8	10.81	+2,528	112 58 8.0	+5,880	322

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14201	Gemini δ	3	7 8 10,87	+3,595	67 39 42,2	+5,880	146
14202	Canis Major ..	7	8 12,99	2,528	112 58 0,0	5,883	322
14203	Gemini	9	8 15,20	3,945	55 36 51,9	5,886	213
14204	Gemini	8	8 15,49	3,945	55 36 54,7	5,887	274
14205	Canis Minor ..	8½	8 16,16	3,121	87 43 5,5	5,887	263
14206	Gemini	7½	8 16,91	3,532	70 7 24,0	5,888	253
14207	Canis Major ..	9	8 22,76	2,679	107 0 2,8	5,896	280
14208	Canis Minor ..	8½	8 24,97	3,313	79 12 11,1	5,899	210
14209	Auriga	8	8 25,25	4,124	50 29 36,2	5,900	323
14210	Canis Major ..	7	8 28,16	2,583	110 50 14,3	5,905	320
14211	Canis Minor ..	8	8 29,16	3,117	87 51 27,9	5,906	263
14212	Canis Minor ..	8½	8 29,26	3,121	87 43 9,0	5,906	257
14213	Gemini	8½	8 31,89	3,720	63 1 9,3	5,909	144
14214	Auriga	6	8 32,32	4,118	50 38 29,3	5,910	323
14215	Canis Minor ..	8	8 32,97	3,312	79 14 43,2	5,912	210
14216	Lynx	8	8 35,03	4,262	46 58 25,0	5,914	54
14217	Gemini	8½	8 36,00	3,973	54 44 19,2	5,916	317
14218	Auriga	6	8 38,94	4,037	52 52 38,9	5,920	209
14219	Monoceros....	8½	8 39,29	2,889	98 2 39,6	5,920	267
14220	Lynx	7½	8 40,16	5,033	33 3 33,2	5,922	381
14221	Monoceros....	9	8 40,65	2,837	100 18 22,4	5,922	269
14222	Canis Minor ..	8½	8 42,16	3,114	88 0 12,2	5,924	263
14223	Gemini	9	8 42,50	3,966	54 56 44,4	5,924	317
14224	Gemini	7½	8 42,62	3,424	74 29 57,9	5,924	51
14225	Gemini	8	8 42,69	3,881	57 34 54,6	5,925	207
14226	Canis Minor ..	8½	8 43,25	3,122	87 40 12,0	5,926	257
14227	Canis Major ..	9	8 43,81	2,644	108 26 35,8	5,927	318
14228	Canis Major ..	7½	8 45,98	2,762	103 32 28,1	5,929	277
14229	Monoceros....	8	8 47,16	2,820	101 2 40,1	5,930	269
14230	Canis Major ..	8	8 47,66	2,583	110 50 45,3	5,932	320
14231	Lynx	7½	8 47,92	5,030	33 5 12,3	5,932	381
14232	Gemini	8½	8 53,67	3,716	63 8 47,5	5,940	144
14233	Gemini	8½	8 54,14	3,490	71 46 43,9	5,940	255
14234	Canis Minor ..	7	8 55,32	3,139	86 54 10,8	5,941	48
14235	Canis Major ..	9	8 56,75	2,577	111 5 13,2	5,944	320
14236	Monoceros....	8	8 57,14	2,908	97 13 41,1	5,944	267
14237	Canis Minor ..	7	8 59,75	3,238	82 29 50,7	5,949	44
14238	Monoceros....	8	9 2,50	3,041	91 18 7,0	5,953	275
14239*	Gemini	8½	9 4,35	3,490	71 46 0,1	5,955	255
14240	Monoceros....	9	7 9 5,46	+3,070	89 58 51,0	+5,957	50

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14241	Monoceros....	8½	7 9 6.75	+2,825	100 50 22.4	+5,958	269
14242	Gemini	8	9 12.91	3,707	63 28 47.6	5,967	146
14243	Auriga	8	9 16.15	4,182	48 56 8.1	5,970	208
14244	Gemini	8½	9 21.34	3,698	63 46 36.0	5,978	146
14245	Canis Major ..	8	9 23.21	2,580	111 0 21.7	5,981	320
14246	Gemini	8	9 23.53	3,917	56 24 47.0	5,981	213
14247	Gemini	8	9 24.59	3,917	56 24 45.5	5,982	274
14248	Auriga	8	9 31.09	4,208	48 16 14.6	5,992	208
14249	Gemini	9½	9 33.12	3,888	57 19 35.5	5,995	207
14250	Canis Minor ..	8	9 33.86	3,133	87 10 50.4	5,995	257
14251	Monoceros....	8½	9 37.07	2,997	93 14 59.2	6,001	259
14252	Monoceros....	8½	9 37.61	2,997	93 15 5.4	6,001	275
14253	Canis Major ..	7½	9 41.37	2,555	111 59 9.4	6,006	322
14254	Monoceros....	7½	9 46.01	2,881	98 25 34.1	6,013	267
14255	Gemini	8½	9 47.91	3,375	76 33 33.6	6,016	313
14256	Gemini	9	9 48.74	3,444	73 39 2.4	6,016	51
14257	Monoceros....	9	9 51.61	2,819	101 6 15.6	6,020	269
14258	Canis Minor ..	8½	9 51.83	3,295	79 58 58.7	6,022	210
14259	Gemini	8½	9 56.71	3,920	56 17 51.1	6,027	213
14260	Gemini	8	9 57.14	3,920	56 17 54.6	6,029	274
14261	Canis Major ..	9	9 58.54	2,611	109 46 33.7	6,030	320
14262	Canis Minor ..	8	9 59.92	3,307	79 26 35.0	6,033	210
14263	Canis Major ..	9	10 1.54	2,612	109 45 12.5	6,034	320
14264	Canis Major ..	7	10 6.51	2,683	106 51 10.5	6,040	280
14265	Gemini	8	10 6.72	3,376	76 28 22.6	6,040	313
14266	Lynx	9	10 7.50	5,073	32 29 5.5	6,042	381
14267	Gemini	6	10 7.83	3,554	69 11 30.4	6,043	272
14268	Gemini	6	10 8.20	3,554	69 11 34.5	6,043	253
14269	Monoceros....	7	10 8.58	2,990	93 33 12.1	6,043	259
14270	Gemini	8	10 11.63	3,611	66 59 21.2	6,047	272
14271	Gemini	9	10 11.76	3,611	66 59 18.7	6,048	214
14272	Monoceros....	8	10 13.99	3,087	89 14 5.5	6,052	48
14273	Monoceros....	7½	10 14.14	3,087	89 14 9.0	6,052	263
14274	Monoceros....	8	10 14.76	3,086	89 14 6.8	6,052	50
14275	Canis Minor ..	7½	10 14.80	3,217	83 24 0.6	6,052	261
14276	Auriga	5½	10 15.49	4,180	48 57 25.4	6,053	208
14277	Canis Major ..	6	10 15.69	2,633	108 55 22.2	6,053	318
14278	Auriga	5	10 15.86	4,180	48 57 27.3	6,054	323
14279	Gemini	8½	10 18.43	3,915	56 27 16.3	6,057	213
14280	Gemini	8	7 10 18.59	+3,915	56 27 17.8	+6,057	274

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14281	Canis Major ..	6½	7 10 22.66	+2,676	107 9 59.2	+6,066	280
14282	Lynx	7½	10 25.43	4,354	44 46 36.3	6,067	54
14283	Auriga	8½	10 26.05	4,121	50 29 45.4	6,068	323
14284	Monoceros....	8	10 27.96	2,942	95 42 37.6	6,071	265
14285	Canis Minor ..	9	10 38.31	3,278	80 43 12.9	6,085	210
14286	Canis Major ..	8½	10 39.97	2,731	104 54 3.8	6,088	277
14287	Monoceros....	8	10 41.80	2,886	98 11 19.6	6,089	267
14288	Monoceros....	8	10 44.02	2,930	96 14 17.2	6,092	165
14289	Canis Minor ..	9	10 46.48	3,211	83 41 10.2	6,096	261
14290	Lynx	9	10 47.30	4,538	40 56 13.2	6,098	383
14291	Monoceros....	9	10 47.57	2,891	97 58 37.0	6,098	267
14292	Canis Major ..	7	10 47.71	2,563	111 41 20.1	6,098	322
14293	Lynx	7	10 49.97	4,531	41 4 38.4	6,101	377
14294	Lynx	7½	10 50.23	4,531	41 4 38.4	6,102	383
14295	Gemini	•	10 51.66	3,930	55 57 45.0	6,104	213
14296	Lynx	9	10 51.92	4,529	41 6 50.5	6,104	377
14297	Gemini	8	10 54.08	3,811	59 48 24.0	6,106	53
14298	Auriga	8	10 55.03	4,018	53 18 57.0	6,108	209
14299	Auriga	7	10 56.00	4,018	53 19 1.2	6,109	317
14300	Gemini	9	10 56.35	3,396	75 38 45.6	6,110	313
14301	Canis Major ..	8½	10 57.23	2,616	109 36 43.6	6,112	320
14302	Monoceros....	8	11 1.47	2,941	95 46 22.9	6,117	265
14303	Monoceros....	8½	11 5.28	2,889	98 3 27.3	6,123	267
14304	Gemini	9½	11 6.76	3,615	66 48 32.9	6,125	214
14305	Monoceros....	8½	11 8.58	3,003	92 59 52.3	6,128	275
14306	Canis Minor ..	9	11 9.76	3,153	86 15 57.1	6,130	257
14307	Monoceros....	8½	11 9.79	2,993	93 26 45.1	6,130	259
14308	Gemini	8	11 14.21	3,556	69 4 34.6	6,135	253
14309	Gemini	8	11 14.36	3,556	69 4 31.5	6,135	272
14310	Gemini A	5½	11 16.03	3,675	64 34 36.5	6,138	146
14311	Gemini	8	11 18.25	3,948	55 23 32.7	6,141	213
14312	Monoceros....	8	11 22.01	3,005	92 55 26.2	6,146	275
14313	Canis Minor ..	9	11 23.82	3,156	86 6 48.9	6,149	257
14314	Canis Major ..	6½	11 25.21	2,598	110 20 35.2	6,151	320
14315	Gemini	7	11 26.01	3,618	66 40 59.8	6,152	214
14316	Gemini	7½	11 26.69	3,499	71 21 18.0	6,153	255
14317	Gemini	8½	11 28.45	3,751	61 49 47.4	6,155	144
14318	Gemini	9	11 28.49	3,909	56 35 16.2	6,155	274
14319	Gemini	7½	11 31.53	3,478	72 12 44.0	6,159	255
14320	Canis Minor ..	9	7 11 32.15	+3,112	88 5 11.1	+6,160	263

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			h m s	s	° ' "	"	
14321	Gemini	9	7 11 32.86	+3,560	68° 55' 12.5	+6,162	272
14322	Lynx	5	11 34.94	4,565	40 24 30.2	6,165	383
14323	Monoceros....	7½	11 40.84	2,879	98 30 13.9	6,172	267
14324	Canis Minor ..	9	11 41.47	3,182	84 57 29.5	6,173	261
14325	Lynx	9	11 41.48	5,157	31 57 30.1	6,173	381
14326	Monoceros....	8½	11 45.43	2,946	95 31 52.5	6,179	265
14327	Gemini	9	11 47.46	3,752	61 47 46.5	6,181	144
14328	Monoceros....	7	11 47.73	3,082	89 27 19.1	6,181	50
14329	Canis Major ..	6	11 48.04	2,753	103 59 43.7	6,181	277
14330	Canis Major ..	7½	11 50.23	2,563	111 43 19.6	6,186	322
14331	Gemini	8½	11 56.40	3,930	55 54 39.3	6,194	213
14332	Lynx	7½	11 56.86	4,237	47 27 18.9	6,194	54
14333	Lynx	8½	11 57.59	4,237	47 27 13.7	6,195	208
14334	Canis Major ..	9	12 2.97	2,753	103 59 36.0	6,203	277
14335	Gemini	6	12 5.58	3,746	61 59 20.7	6,207	144
14336	Gemini	8	12 7.69	3,428	74 16 18.3	6,210	51
14337	Lynx	9	12 7.95	4,504	41 33 51.9	6,210	377
14338	Lynx	8½	12 8.06	4,742	37 14 57.1	6,210	563
14339	Lynx	8	12 8.95	4,413	43 25 48.8	6,212	384
14340	Monoceros....	7	12 9.24	3,093	88 55 36.8	6,212	263
14341	Monoceros....	8	12 10.81	2,954	95 11 22.8	6,215	259
14342	Monoceros....	6	12 11.44	2,945	95 36 42.8	6,215	265
14343	Canis Major ..	6½	12 14.14	2,600	110 17 1.9	6,219	320
14344	Gemini	7½	12 15.01	3,579	68 10 5.9	6,221	272
14345	Monoceros....	6½	12 16.46	3,012	92 36 35.7	6,222	275
14346	Monoceros....	7½	12 17.17	3,072	89 53 21.5	6,223	50
14347	Monoceros....	9½	12 17.20	2,990	93 33 53.8	6,223	275
14348	Gemini	8	12 17.23	3,459	72 57 9.2	6,223	255
14349	Gemini	9	12 17.49	3,753	61 44 31.6	6,223	144
14350	Gemini	9	12 23.31	3,617	66 41 44.2	6,232	214
14351	Canis Major ..	7	12 24.20	2,544	112 29 5.6	6,233	322
14352	Monoceros....	6½	12 26.68	2,877	98 36 39.3	6,236	267
14353	Lynx	9	12 30.56	5,107	31 57 26.6	6,241	381
14354	Canis Minor ..	8½	12 31.03	3,198	84 14 52.6	6,241	261
14355	Monoceros....	8	12 37.01	2,841	100 12 24.9	6,250	265
14356	Auriga	9	12 37.86	4,070	51 47 48.4	6,252	209
14357	Gemini	8½	12 43.05	3,514	70 42 49.8	6,259	253
14358	Canis Minor ..	8½	12 45.58	3,318	78 55 29.7	6,262	312
14359	Gemini	9	12 45.81	3,925	56 3 16.7	6,262	213
14360	Lynx	6½	7 12 45.84	+4,281	46 21 33.4	+6,262	54

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			h m s	s	° ' "	"	
14361	Lynx	9	7 12 48.53	+4.792	36 24 41.3	+6.266	382
14362	Lynx	9	12 49.85	5.099	32 2 56.9	6.267	381
14363	Canis Major ..	9	12 52.04	2.743	104 26 15.3	6.270	277
14364	Canis Major ..	9	12 53.05	2.745	104 20 49.9	6.272	277
14365	Canis Minor ..	7½	12 56.22	3.323	78 43 6.4	6.276	312
14366	Gemini	7½	12 58.14	3.902	56 45 28.6	6.279	274
14367	Gemini	9	12 59.53	3.880	57 28 20.8	6.282	207
14368	Monoceros....	8	13 0.19	2.992	93 31 0.8	6.282	259
14369	Gemini	7½	13 2.24	3.431	74 6 27.6	6.285	51
14370	Canis Minor ..	8	13 2.58	3.233	82 40 46.0	6.285	44
14371	Monoceros....	9	13 4.34	2.878	98 34 49.3	6.288	267
14372	Canis Major ..	9	13 4.37	2.606	110 2 35.2	6.288	320
14373	Gemini	9	13 4.74	3.920	56 11 8.9	6.288	213
14374	Monoceros....	8½	13 5.15	3.090	89 4 26.4	6.290	263
14375	Gemini	9	13 6.04	3.920	56 11 14.3	6.291	274
14376	Gemini	9	13 10.01	3.878	57 30 37.9	6.296	207
14377	Gemini	7	13 14.90	3.872	57 43 24.2	6.303	207
14378	Gemini	4½	13 17.29	3.750	61 49 3.9	6.306	53
14379	Gemini	4	13 17.49	3.750	61 49 0.1	6.308	144
14380	Canis Minor ..	8	13 24.06	3.308	79 22 39.1	6.316	210
14381	Lynx	8	13 25.12	4.502	41 33 15.9	6.317	377
14382	Canis Major ..	4½	13 25.20	2.641	108 38 39.0	6.317	318
14383	Gemini	8	13 27.67	3.516	70 36 53.8	6.320	253
14384	Lynx	7	13 27.82	4.426	43 5 27.4	6.322	384
14385	Canis Minor ..	9	13 28.00	3.255	81 42 28.5	6.322	44
14386	Canis Minor ..	8	13 37.30	3.122	87 38 11.8	6.334	263
14387	Lynx	9	13 38.19	4.415	43 19 27.7	6.334	384
14388	Canis Minor ..	8½	13 39.21	3.281	80 31 36.8	6.336	210
14389	Canis Major ..	7	13 42.05	2.605	110 8 6.1	6.340	320
14390	Auriga	7	13 43.54	4.123	50 17 53.8	6.342	323
14391	Gemini	8	13 43.76	3.863	57 59 42.7	6.343	207
14392	Monoceros....	8½	13 45.13	2.853	99 41 23.5	6.345	269
14393	Gemini	8	13 45.83	3.554	69 7 25.2	6.346	272
14394	Gemini	9	13 46.13	3.554	69 7 19.2	6.346	272
14395	Canis Minor ..	8	13 48.96	3.148	86 26 38.2	6.351	257
14396	Canis Major ..	7½	13 49.30	2.697	106 21 11.8	6.351	280
14397	Lynx	7	13 50.32	4.494	41 41 18.2	6.352	377
14398	Canis Minor ..	6	13 50.79	3.340	77 57 5.4	6.352	312
14399	Canis Minor ..	6	13 51.82	3.340	77 57 1.1	6.353	314
14400	Lynx	6	7 13 54.92	+4.507	41 25 33.9	+6.357	377

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			h m s	s	° ' "	"	
14401	Auriga	6½	7 13 57.27	+4,199	50 56 50.3	+6,360	323
14402	Lynx	6½	13 59.85	4,507	41 25 27.6	6,365	383
14403	Monoceros....	8	14 3.10	2,990	93 36 4.4	6,369	259
14404	Gemini	9	14 6.82	3,866	57 51 58.6	6,374	207
14405	Canis Major ..	.	14 13.73	2,580	111 6 45.4	6,384	320
14406	Lynx	6½	14 15.22	4,415	43 17 42.2	6,386	384
14407	Gemini	7	14 16.39	3,495	71 28 8.0	6,387	255
14408	Canis Major ..	8	14 17.63	2,673	107 23 38.5	6,389	281
14409	Gemini	8	14 20.70	3,373	76 32 40.4	6,395	314
14410	Canis Major ..	9½	14 22.34	2,702	106 11 36.2	6,396	280
14411	Canis Major ..	8	14 26.13	2,760	103 43 27.6	6,401	277
14412	Gemini .....	.	14 27.64	3,740	62 7 2.8	6,403	144
14413	Monoceros....	9½	14 36.02	3,051	90 51 55.9	6,415	50
14414	Lynx	9	14 41.56	4,583	39 56 1.0	6,422	383
14415	Canis Major ..	.	14 42.05	2,612	109 51 11.2	6,423	320
14416	Canis Minor s	5½	14 42.70	3,285	80 20 25.8	6,424	210
14417	Gemini	7½	14 44.25	3,397	75 30 50.0	6,427	314
14418	Canis Major ..	8	14 46.12	2,719	105 29 23.5	6,428	280
14419	Canis Minor ..	8	14 46.37	3,215	83 28 21.8	6,430	261
14420	Canis Minor ..	9	14 50.23	3,246	82 3 23.7	6,434	44
14421	Gemini .....	.	14 51.75	3,734	62 18 47.2	6,437	144
14422	Canis Minor ..	9	14 52.46	3,179	85 3 14.5	6,437	261
14423	Lynx	9	15 1.60	4,593	39 37 35.0	6,451	383
14424	Gemini	8½	15 2.93	3,972	54 31 19.8	6,452	317
14425	Canis Major ..	8½	15 7.87	2,805	101 49 13.2	6,460	271
14426	Gemini	7	15 8.23	3,547	69 21 20.7	6,460	272
14427	Canis Major ..	.	15 9.29	2,614	109 48 53.9	6,462	320
14428	Canis Minor ..	8	15 10.45	3,177	85 9 41.8	6,463	261
14429	Lynx	6½	15 20.09	4,713	37 36 14.1	6,476	563
14430	Canis Major ..	8	15 23.44	2,763	103 36 7.2	6,480	277
14431	Gemini .....	.	15 25.19	3,734	62 18 42.4	6,483	144
14432	Lynx	9	15 25.36	4,602	39 33 14.2	6,483	383
14433	Canis Major ..	7½	15 25.41	2,659	107 58 16.5	6,483	281
14434	Canis Major ..	6½	15 25.59	2,659	107 58 13.1	6,483	318
14435	Canis Minor ..	6	15 25.89	3,316	79 0 22.2	6,483	312
14436	Canis Minor ..	9	15 33.49	3,264	81 16 39.7	6,494	44
14437	Canis Minor ..	9	15 33.58	3,264	81 16 39.4	6,494	210
14438	Gemini	8	15 35.78	3,795	60 10 58.6	6,497	53
14439	Canis Minor ..	6½	15 36.91	3,325	78 36 11.6	6,499	312
14440	Gemini	8	7 15 37.23	+3,250	55 10 12.0	+6,500	213

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			h m s	s	° ' "	"	
14441	Gemini	7½	7 15 37.47	+3,950	55 10 13.5	+6,500	317
14442	Canis Major ..	6	15 37.72	2,711	105 49 8.5	6,500	280
14443	Canis Major ..	9	15 38.72	2,802	101 57 5.8	6,501	271
14444	Gemini	8	15 41.17	3,676	64 22 57.1	6,504	146
14445	Gemini	9	15 43.88	3,868	57 44 39.0	6,509	207
14446	Canis Major ..	6½	15 47.63	2,545	112 31 50.6	6,513	322
14447	Lynx	9	15 48.02	4,595	39 40 1.5	6,515	383
14448	Gemini	8½	15 48.02	3,905	56 33 52.1	6,515	213
14449	Gemini	8	15 48.51	3,905	56 33 47.2	6,515	274
14450	Monoceros....	7½	15 52.06	3,029	91 51 39.0	6,519	275
14451	Canis Major ..	7	15 57.30	2,769	103 22 4.2	6,527	277
14452	Monoceros....	8½	15 58.43	2,826	100 55 33.4	6,528	269
14453	Canis Minor ..	7	16 1.21	3,346	77 39 19.0	6,533	314
14454	Canis Major ..	7	16 1.62	2,643	108 37 48.9	6,533	281
14455	Gemini	8	16 1.66	3,425	74 17 38.2	6,533	51
14456	Monoceros....	7	16 1.70	2,950	95 23 18.2	6,533	265
14457	Canis Major ..	6	16 1.85	2,643	108 37 42.3	6,533	318
14458	Gemini	8½	16 7.44	3,871	57 37 27.1	6,542	207
14459	Gemini	9	16 8.46	3,902	56 39 9.4	6,542	274
14460	Gemini	9½	16 8.46	3,902	56 39 5.3	6,542	213
14461	Gemini	8½	16 8.56	3,607	66 57 17.6	6,542	214
14462	Canis Major γ	2½	16 9.56	2,371	118 55 2.8	6,543	468
14463	Gemini ρ	5	16 13.47	3,865	57 49 57.3	6,549	207
14464	Gemini	•	16 13.71	3,740	62 3 19.5	6,549	144
14465	Gemini	8	16 16.63	3,961	54 48 5.3	6,554	317
14466	Canis Minor β	3	16 17.58	3,263	81 19 3.8	6,555	312
14467	Canis Minor β	4½	16 17.70	3,263	81 19 10.2	6,555	44
14468	Canis Minor β	3	16 17.76	3,263	81 19 6.6	6,555	210
14469	Canis Minor β	3	16 18.31	3,263	81 19 8.8	6,555	261
14470	Canis Minor β	3	16 18.32	3,263	81 19 4.0	6,555	314
14471	Gemini	7½	16 18.75	3,973	54 26 27.9	6,557	317
14472	Monoceros....	8½	16 21.15	3,068	90 4 52.0	6,560	50
14473	Lynx	7½	16 22.34	4,178	48 45 17.1	6,561	208
14474	Lynx	7½	16 22.52	4,178	48 45 23.4	6,561	215
14475	Canis Major ..	8½	16 23.61	2,590	110 46 31.3	6,562	320
14476	Lynx	8	16 23.79	4,087	51 9 43.8	6,563	323
14477	Lynx	8	16 24.31	4,087	51 9 47.0	6,564	209
14478	Canis Minor ..	8½	16 28.56	3,273	80 51 25.1	6,570	210
14479	Monoceros....	9	16 28.78	3,030	91 47 31.0	6,570	275
14480	Canis Major ..	7	7 16 29.61	+2,590	110 47 24.4	+6,572	320

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			h m s	s	° ' "	"	
14481	Gemini	8½	7 16 30.20	+3,660	64 57 10.9	+6,572	146
14482	Monoceros	9	16 32.34	2,876	98 42 30.8	6,575	267
14483	Canis Major ..	9	16 34.82	2,810	101 37 0.7	6,579	271
14484	Auriga	6½	16 37.49	4,077	51 25 51.0	6,583	323
14485	Auriga	7½	16 37.50	4,077	51 25 50.2	6,583	209
14486	Lynx	9	16 38.58	4,606	39 25 53.9	6,585	383
14487	Lynx	8	16 39.67	4,219	47 42 36.4	6,586	208
14488	Canis Major ..	7	16 44.15	2,760	103 47 30.4	6,592	277
14489	Monoceros	9½	16 44.73	3,083	89 22 35.4	6,592	50
14490	Canis Major ..	6	16 46.01	2,571	111 33 49.0	6,594	322
14491	Lynx	8	16 46.09	4,286	46 4 24.2	6,594	54
14492	Canis Major ..	9	16 48.42	2,809	101 41 4.1	6,598	271
14493	Canis Major ..	9	16 51.15	2,761	103 44 36.2	6,601	277
14494	Gemini δ¹	6	16 51.16	3,756	61 29 0.3	6,601	53
14495	Gemini	9	16 51.72	3,611	66 47 23.6	6,603	214
14496	Gemini δ¹	5½	16 51.75	3,756	61 28 56.2	6,603	144
14497	Canis Minor ..	8	16 57.16	3,110	88 9 21.6	6,610	263
14498	Monoceros	9	16 57.41	2,948	95 28 45.6	6,610	265
14499	Auriga	9	16 59.39	4,027	52 49 21.6	6,613	209
14500	Canis Major ..	7½	16 59.56	2,725	105 16 17.9	6,613	280
14501	Monoceros	9	17 1.83	2,834	100 33 17.4	6,616	269
14502	Canis Major ..	8½	17 6.33	2,666	107 45 0.6	6,622	281
14503	Canis Major ..	8½	17 8.04	2,596	110 34 11.9	6,625	320
14504	Canis Major ..	8	17 9.82	2,666	107 44 1.5	6,627	281
14505	Gemini	9½	17 12.54	3,905	56 29 48.5	6,631	213
14506	Canis Major ..	8	17 13.73	2,660	107 58 42.4	6,632	281
14507	Canis Minor γ	5½	17 15.47	3,277	80 40 54.2	6,634	210
14508	Monoceros	9	17 16.52	3,007	92 50 45.5	6,636	275
14509	Gemini	8½	17 18.56	3,636	65 48 48.0	6,639	214
14510	Monoceros	8	17 18.63	2,832	100 39 48.0	6,639	269
14511	Monoceros	9	17 18.86	2,909	97 14 44.5	6,639	267
14512	Gemini	8	17 20.40	3,563	68 39 47.5	6,642	272
14513	Gemini δ²	5½	17 21.20	3,750	61 41 2.5	6,642	144
14514	Gemini	8½	17 21.27	3,749	61 41 7.6	6,643	53
14515	Gemini	7½	17 24.01	3,420	74 29 36.2	6,646	51
14516	Canis Major ..	7½	17 33.52	2,598	110 30 59.6	6,661	320
14517	Gemini	9	17 35.33	3,617	66 32 41.7	6,662	214
14518	Monoceros	8	17 35.73	2,825	100 58 24.1	6,668	269
14519	Monoceros	8	17 40.98	3,011	92 40 39.2	6,670	275
14520	Canis Major ..	9	7 17 42.30	+2,805	101 49 56.9	+6,671	271

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14521	Canis Minor ..	9	h m s 7 17 44.12	+3,111	88° 6' 33.7"	+6,674	263
14522	Canis Major ..	8½	17 44.55	2,720	105 30 9.3	6,674	280
14523	Canis Minor ..	8½	17 44.95	3,267	81 5 50.6	6,676	44
14524	Canis Minor ..	8	17 45.10	3,267	81 5 47.9	6,676	210
14525	Gemini	7	17 46.34	3,529	69 58 13.0	6,677	255
14526	Lynx	9	17 49.59	4,200	48 7 48.1	6,682	208
14527	Canis Major ..	9	17 53.44	2,714	105 45 38.7	6,686	280
14528	Canis Minor ..	8	17 55.81	3,153	86 12 30.7	6,689	257
14529	Canis Major ..	9	17 56.14	2,822	101 5 51.6	6,691	269
14530	Monoceros....	9	17 56.27	3,088	89 9 45.7	6,691	50
14531	Monoceros....	7	17 56.94	3,015	92 29 11.8	6,691	275
14532	Gemini	8½	17 57.23	3,367	76 43 9.2	6,692	314
14533	Canis Minor ..	9	17 57.62	3,113	88 0 53.5	6,692	263
14534	Gemini	8½	17 59.36	3,462	72 43 10.2	6,695	255
14535	Canis Minor ..	7	17 59.61	3,364	76 50 28.4	6,695	314
14536	Lynx	8½	18 1.51	4,419	43 3 26.0	6,699	377
14537	Lynx	8½	18 1.85	4,419	43 3 25.6	6,699	384
14538	Gemini	8½	18 2.22	3,611	66 46 9.0	6,699	214
14539	Canis Major ..	9	18 2.98	2,803	101 57 52.5	6,701	271
14540	Canis Minor ..	7	18 6.65	3,337	78 1 15.1	6,705	312
14541	Canis Major ..	8	18 9.52	2,543	112 41 22.5	6,710	322
14542	Monoceros....	8½	18 9.79	3,010	92 42 5.4	6,710	275
14543	Gemini	8	18 12.46	3,749	61 41 8.9	6,713	144
14544	Gemini	8½	18 12.56	3,749	61 41 17.6	6,713	53
14545	Canis Major ..	6	18 12.77	2,673	107 28 22.1	6,714	281
14546	Puppis	9	18 13.78	2,801	102 1 13.8	6,714	271
14547	Canis Minor ..	8½	18 15.38	3,313	79 4 13.7	6,717	312
14548	Lynx	6	18 19.22	4,138	49 41 48.0	6,722	323
14549	Lynx	6½	18 24.48	4,666	38 16 34.6	6,730	563
14550	Gemini	7½	18 24.87	3,558	68 48 48.0	6,730	272
14551	Puppis	6	18 27.36	2,821	101 9 40.1	6,735	269
14552	Puppis	6	18 30.58	2,543	112 41 29.6	6,738	322
14553	Monoceros....	9	18 34.46	2,891	98 3 48.3	6,744	267
14554	Gemini	8½	18 35.27	3,614	66 38 34.0	6,745	214
14555	Canis Minor ..	8	18 35.49	3,224	83 1 8.4	6,745	44
14556	Gemini	7½	18 37.43	3,533	69 46 44.1	6,747	253
14557	Monoceros....	8	18 37.87	2,920	96 45 33.8	6,748	265
14558	Gemini	9	18 40.53	3,415	74 38 44.9	6,751	51
14559	Puppis	7½	18 41.94	2,658	108 5 49.3	6,754	281
14560	Puppis	8	7 18 44.44	+2,658	108 6 4.3	+6,757	281

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14561	Canis Minor ..	8½	7 18 44.62	+3.111	88° 5' 57.0	+6.757	263
14562	Auriga	7	18 46.39	3.985	53 59 25.8	6.759	317
14563	Puppis .....	.	18 47.42	2.716	105 41 48.7	6.761	280
14564	Canis Minor ..	8	18 47.81	3.153	86 13 7.0	6.763	257
14565	Gemini	7½	18 50.14	3.550	69 6 22.4	6.766	272
14566	Monoceros....	8	18 51.12	2.828	100 52 1.1	6.767	269
14567	Puppis	8	18 55.60	2.593	110 44 55.4	6.772	320
14568	Canis Minor ..	9	18 56.61	3.094	88 53 25.5	6.774	263
14569	Monoceros....	8½	18 57.25	2.994	93 25 58.1	6.775	259
14570	Auriga	7½	18 58.10	4.004	53 25 35.3	6.776	317
14571	Gemini	8½	18 59.83	3.740	61 58 16.5	6.778	144
14572	Gemini	8½	19 5.39	3.640	65 37 53.4	6.785	214
14573	Puppis	9	19 5.95	2.756	103 58 32.9	6.787	277
14574	Lynx	8½	19 6.62	4.106	50 32 28.7	6.787	323
14575	Gemini	7½	19 9.82	3.390	75 43 51.1	6.792	314
14576	Monoceros....	9	19 10.23	2.896	97 51 8.9	6.792	267
14577	Lynx	8½	19 11.05	4.678	38 2 14.3	6.794	563
14578	Puppis	6½	19 12.57	2.549	112 27 45.6	6.795	322
14579	Gemini	7½	19 12.74	3.549	69 9 13.5	6.797	272
14580	Gemini	8	19 16.72	3.389	75 45 3.1	6.801	314
14581	Monoceros....	8	19 19.15	2.979	94 8 22.0	6.805	259
14582	Gemini	9	19 23.72	3.915	56 5 25.9	6.811	213
14583	Monoceros....	8½	19 30.12	3.091	89 1 21.0	6.821	263
14584	Gemini	9	19 30.28	3.841	58 29 18.0	6.821	207
14585	Gemini	8½	19 33.07	3.640	65 35 38.6	6.823	214
14586	Auriga	8½	19 37.46	4.032	52 33 33.1	6.829	209
14587	Canis Minor ..	8	19 38.96	3.249	81 52 32.9	6.831	44
14588	Canis Minor ..	6	19 39.27	3.346	77 35 30.8	6.832	312
14589	Gemini	9½	19 39.47	3.654	65 3 30.3	6.832	146
14590	Monoceros....	8½	19 40.11	2.968	94 36 46.3	6.832	259
14591	Gemini	9	19 41.62	3.631	65 56 30.9	6.836	214
14592	Lynx	9	19 41.79	4.233	47 13 20.3	6.836	215
14593	Lynx	8	19 42.27	4.496	41 23 37.1	6.836	377
14594	Monoceros....	6	19 42.40	2.912	97 9 22.8	6.836	267
14595	Monoceros....	6	19 42.64	2.912	97 9 21.2	6.837	265
14596	Gemini	9	19 45.96	3.653	65 5 26.4	6.842	146
14597	Gemini	8	19 50.58	3.725	62 27 38.2	6.848	144
14598	Lynx	9	19 52.89	4.185	48 24 49.0	6.852	208
14599	Monoceros....	6	19 53.38	2.850	99 55 27.1	6.852	269
14600	Monoceros....	8½	7 19 53.74	+2.964	94 47 32.9	+6.852	259

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14601	Canis Minor ..	7½	7 19 55.37	+3,194	84 20 24.6	+6,855	261
14602	Lynx	8½	19 56.12	4,715	37 22 34.6	6,856	563
14603	Canis Minor ..	7½	19 56.21	3,151	86 17 11.5	6,856	257
14604	Auriga	7	19 59.90	4,035	52 28 59.1	6,861	209
14605	Gemini	9	20 1.80	3,552	68 59 3.6	6,863	272
14606	Puppis	8	20 2.36	2,786	102 44 10.2	6,864	271
14607	Puppis	9	20 2.94	2,742	104 37 57.2	6,864	277
14608	Canis Minor ..	8	20 4.49	3,268	81 2 25.6	6,868	210
14609	Auriga	8	20 5.16	3,990	53 47 14.8	6,868	317
14610	Puppis	9	20 5.42	2,577	111 24 14.3	6,868	322
14611	Gemini	8	20 6.68	3,929	55 38 32.6	6,871	274
14612	Lynx	8	20 7.67	4,524	40 49 21.6	6,871	383
14613	Lynx	8	20 9.15	5,079	32 1 10.9	6,874	381
14614	Canis Minor ..	9	20 10.15	3,166	85 35 40.3	6,876	257
14615	Lynx	9	20 11.10	4,221	47 30 2.7	6,876	215
14616	Puppis	9	20 12.22	2,683	107 6 36.6	6,877	280
14617	Canis Minor ..	9	20 13.85	3,303	79 29 26.4	6,880	210
14618	Puppis	8	20 15.44	2,651	108 26 26.8	6,882	281
14619	Puppis	6	20 15.86	2,743	104 34 53.0	6,884	277
14620	Gemini	6	20 15.94	3,466	72 30 1.5	6,884	255
14621	Gemini	8½	20 18.84	3,894	56 43 34.4	6,887	274
14622	Gemini	8½	20 18.94	3,894	56 43 33.7	6,887	213
14623	Puppis	7½	20 21.94	2,687	106 56 20.0	6,892	279
14624	Gemini	8½	20 22.13	3,739	61 56 17.0	6,892	144
14625	Puppis	7½	20 22.48	2,687	106 56 23.6	6,892	280
14626	Monoceros....	8	20 26.96	2,891	98 6 42.0	6,898	267
14627	Lynx	9	20 28.51	5,069	32 8 14.2	6,900	381
14628	Gemini	8½	20 31.39	3,565	68 29 2.2	6,904	273
14629	Puppis	8½	20 35.03	2,577	111 25 46.5	6,908	322
14630	Monoceros....	9	20 35.06	3,054	90 42 46.6	6,908	50
14631	Monoceros....	8½	20 36.53	2,925	96 33 39.7	6,910	265
14632	Puppis	8½	20 37.96	2,682	107 10 11.3	6,912	279
14633	Gemini	8½	20 38.38	3,886	56 57 32.7	6,913	274
14634	Puppis	8	20 38.53	2,682	107 10 13.9	6,913	280
14635	Gemini	8½	20 38.68	3,886	56 57 28.2	6,913	213
14636	Lynx	8	20 41.48	4,231	47 13 12.9	6,918	54
14637	Gemini	7	20 41.96	3,572	68 10 42.9	6,918	273
14638	Canis Minor ..	9	20 42.34	3,302	79 31 1.7	6,918	210
14639	Gemini	9	20 44.72	3,733	62 9 10.4	6,921	144
14640	Puppis	9	7 20 47.60	+2,576	111 27 53.8	+6,926	322

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14641	Gemini	7 20 48.16	+3,361	76 55 29.0	+6,926	314
14642	Canis Minor ..	8	20 49.30	3,296	79 45 25.1	6,928	210
14643	Gemini	8	20 49.89	3,825	58 57 30.0	6,929	207
14644	Puppis	9	20 52.60	2,576	111 27 18.8	6,932	322
14645	Monoceros....	7	20 53.13	3,031	91 45 23.1	6,934	275
14646	Monoceros....	9	20 54.00	2,932	96 16 15.0	6,934	265
14647	Monoceros....	6½	20 57.94	2,964	94 49 3.2	6,940	259
14648	Monoceros....	8	20 59.00	2,931	96 18 37.1	6,942	265
14649	Lynx	8½	20 59.16	4,172	48 42 19.9	6,942	215
14650	Lynx	9	20 59.30	4,172	48 42 17.6	6,942	208
14651	Monoceros....	8	21 0.48	2,879	98 38 51.8	6,944	267
14652	Monoceros....	8	21 6.64	3,054	90 42 58.0	6,952	50
14653	Monoceros....	8	21 6.98	3,054	90 42 57.9	6,952	50
14654	Puppis	8½	21 9.74	2,743	104 35 23.2	6,956	277
14655	Lynx	8	21 10.20	4,219	47 29 58.3	6,956	54
14656	Puppis	8	21 11.57	2,694	106 39 42.8	6,958	279
14657	Puppis	8	21 11.92	2,694	106 39 44.4	6,960	280
14658	Monoceros....	8	21 15.11	2,863	99 22 5.4	6,963	269
14659	Lynx	8	21 19.74	4,813	35 43 59.3	6,969	382
14660	Gemini	8½	21 22.45	3,447	73 14 23.6	6,974	255
14661	Monoceros....	8½	21 22.64	2,961	94 55 54.7	6,974	259
14662	Monoceros....	7½	21 27.82	2,855	99 41 50.7	6,980	269
14663	Canis Minor ..	8	21 28.03	3,104	88 25 13.3	6,980	263
14664	Lynx	8½	21 28.85	4,157	49 4 30.3	6,982	215
14665	Puppis	9	21 34.20	2,786	102 45 28.7	6,990	271
14666	Canis Minor ..	7	21 35.55	3,140	86 46 40.8	6,992	257
14667	Puppis	8½	21 35.68	2,688	106 54 47.8	6,992	280
14668	Gemini	8	21 39.79	3,438	73 36 12.1	6,996	255
14669	Gemini	8½	21 40.36	3,438	73 36 9.2	6,998	51
14670	Monoceros....	9	21 41.58	3,067	90 6 43.0	7,000	50
14671	Lynx	8½	21 41.86	4,711	37 22 3.5	7,000	563
14672	Canis Minor ♂	6	21 42.38	3,121	87 40 21.9	7,001	263
14673	Gemini α	2	21 46.23	3,862	57 41 10.2	7,006	323
14674	Monoceros....	8	21 46.97	2,886	98 19 44.1	7,008	267
14675	Gemini α	2	21 47.92	3,862	57 41 13.9	7,008	209
14676	Gemini α	2	21 48.73	3,862	57 41 15.1	7,009	220
14677	Gemini α	2	21 49.05	3,862	57 41 16.5	7,009	274
14678	Lynx	6	21 49.22	4,257	46 32 42.0	7,009	54
14679	Gemini α	2	21 49.26	3,862	57 41 13.9	7,009	213
14680	Gemini α	2	7 21 49.32	+3,862	57 41 18.3	+7,009	318

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14681	Gemini α	2	7 21 49.37	+3,862	57 41 16.5	+7,010	317
14682	Gemini α	2	21 49.44	3,862	57 41 18.8	7,010	207
14683	Gemini α	2	21 49.85	3,862	57 41 18.7	7,011	144
14684	Monoceros....	8	21 52.81	2,930	96 22 38.5	7,015	265
14685	Canis Minor ..	9	21 57.11	3,116	87 51 52.4	7,021	263
14686	Gemini	7½	21 58.31	3,762	61 3 15.2	7,023	53
14687	Gemini	7½	21 59.74	3,430	73 56 40.8	7,025	51
14688	Gemini	7½	22 0.39	3,767	60 53 39.1	7,026	53
14689	Gemini	9	22 9.48	3,564	68 27 28.6	7,037	273
14690	Puppis	8½	22 10.47	2,737	104 53 7.8	7,039	277
14691	Gemini	6	22 10.80	3,435	73 45 20.6	7,041	51
14692	Gemini	6	22 10.83	3,435	73 45 17.4	7,041	255
14693	Puppis	7	22 11.30	2,745	104 33 9.3	7,041	277
14694	Gemini	9	22 13.92	3,560	68 36 18.7	7,044	273
14695	Monoceros....	8½	22 13.99	3,067	90 6 4.2	7,044	50
14696	Monoceros....	9	22 14.13	3,067	90 6 4.2	7,044	50
14697	Monoceros....	8½	22 14.50	2,932	96 17 27.3	7,045	265
14698	Puppis	7	22 15.24	2,636	109 7 11.4	7,045	281
14699	Puppis	9	22 15.24	2,795	102 21 55.3	7,045	271
14700	Monoceros....	8½	22 15.72	2,968	94 37 37.1	7,047	259
14701	Canis Minor ..	8½	22 22.27	3,281	80 24 12.5	7,055	210
14702	Canis Minor ..	8	22 23.71	3,285	80 15 18.3	7,057	210
14703	Canis Minor ..	7½	22 23.76	3,346	77 34 0.1	7,057	312
14704	Gemini	7	22 25.40	3,833	58 37 13.1	7,060	207
14705	Gemini	8	22 26.68	3,754	61 18 51.9	7,061	53
14706	Monoceros....	6½	22 30.50	2,884	98 27 23.6	7,066	267
14707	Gemini	8½	22 37.55	3,663	64 36 18.0	7,076	146
14708	Puppis	8	22 39.45	2,692	106 46 55.4	7,079	280
14709	Puppis	8	22 42.76	2,636	109 5 51.5	7,083	281
14710	Monoceros....	7	22 43.08	3,034	91 37 4.2	7,084	275
14711	Gemini	9	22 43.52	3,610	66 37 27.5	7,084	214
14712	Lynx	8½	22 45.52	4,701	37 28 55.5	7,087	563
14713	Canis Minor ..	9	22 45.70	3,284	80 17 36.5	7,087	210
14714	Gemini	7½	22 53.35	3,764	60 57 0.7	7,098	53
14715	Canis Minor ..	9	22 54.92	3,242	82 9 19.1	7,101	44
14716	Lynx	7	22 55.67	4,519	40 47 47.5	7,101	383
14717	Monoceros....	8	22 55.82	2,928	96 26 41.1	7,101	265
14718	Lynx	8	22 56.03	4,688	37 41 38.7	7,102	564
14719	Gemini	9	23 2.31	3,707	62 58 25.0	7,111	144
14720	Canis Minor ..	7	7 23 3.38	+3,313	79 0 37.4	+7,112	312

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14721	Gemini	9	7 23 7.55	+3,568	68 15 44.7	+7.117	273
14722	Gemini	8	23 9.79	3,613	66 31 50.5	7.120	214
14723	Lynx	8½	23 10.38	4,322	44 57 4.7	7.122	384
14724	Puppis	8	23 10.61	2,602	110 30 56.6	7.122	320
14725	Gemini	9½	23 10.62	3,825	58 52 0.7	7.122	207
14726	Canis Minor ..	8	23 10.89	3,318	78 45 13.1	7.122	312
14727	Puppis	8	23 12.95	2,698	106 32 53.8	7.125	279
14728	Puppis	8	23 13.38	2,698	106 32 49.4	7.125	280
14729	Gemini	9	23 15.91	3,430	73 55 20.3	7.129	51
14730	Lynx	6	23 17.64	4,804	35 39 46.5	7.132	382
14731	Gemini	8½	23 19.30	3,890	56 43 56.1	7.134	274
14732	Gemini	8	23 19.32	3,973	54 8 57.6	7.134	317
14733	Gemini	8½	23 19.35	3,890	56 43 55.6	7.134	213
14734	Canis Minor ..	7½	23 23.15	3,752	77 16 19.8	7.139	314
14735	Canis Minor ..	8	23 23.21	3,352	77 16 26.1	7.139	216
14736	Puppis	7½	23 23.66	2,661	108 6 5.6	7.139	281
14737	Puppis	8½	23 24.56	2,612	110 8 4.0	7.141	320
14738	Lynx	8½	23 28.62	4,467	41 48 38.3	7.147	377
14739	Lynx	8	23 28.93	5,046	32 18 6.3	7.147	381
14740	Puppis	8	23 29.83	2,668	107 50 6.9	7.148	281
14741	Lynx	8½	23 32.09	4,166	48 43 37.3	7.150	208
14742	Lynx	8½	23 32.25	4,166	48 43 37.9	7.151	215
14743	Lynx	6½	23 34.65	4,135	49 32 33.6	7.155	323
14744	Gemini v	5	23 35.45	3,715	62 40 20.9	7.155	144
14745	Lynx	8	23 36.18	4,728	36 59 52.1	7.157	382
14746	Lynx	8½	23 38.99	4,326	44 50 21.0	7.160	384
14747	Puppis	8	23 39.95	2,487	114 59 39.0	7.161	468
14748	Puppis	9	23 41.61	2,707	106 10 18.8	7.163	279
14749	Puppis	8	23 42.10	2,707	106 10 19.4	7.164	280
14750	Monoceros....	8	23 44.93	2,943	95 48 22.5	7.168	265
14751	Lynx	8	23 50.40	4,092	50 42 7.5	7.176	323
14752	Canis Minor ..	9	23 52.11	3,098	88 43 11.5	7.178	263
14753	Puppis	9	23 52.90	2,781	102 59 58.3	7.180	271
14754	Canis Minor ..	9	23 54.60	3,103	88 27 51.0	7.181	263
14755	Puppis	•	23 55.91	2,609	110 14 18.7	7.183	320
14756	Puppis	9	23 56.57	2,661	108 6 28.7	7.184	281
14757	Canis Minor ..	8	23 59.81	3,299	79 36 19.9	7.188	211
14758	Puppis	8½	24 4.95	2,606	110 22 29.7	7.196	320
14759	Lynx	7	24 7.28	4,609	39 2 0.9	7.199	564
14760	Puppis	6½	7 24 10.16	+2,760	103 55 2.9	+7.202	277

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14761	Monoceros....	8½	7 24 10.45	+3,050	90 53 39.9	+7,202	50
14762	Puppis	8½	24 10.53	2,603	110 30 59.1	7,202	283
14763	Canis Minor ..	8	24 12.34	3,302	79 27 20.7	7,206	211
14764	Lynx	6	24 12.68	5,030	32 28 43.9	7,206	381
14765	Lynx	7	24 12.91	4,092	50 41 23.6	7,206	323
14766	Lynx	7½	24 16.52	4,229	47 5 52.6	7,211	54
14767	Lynx	8	24 17.12	4,229	47 5 49.2	7,213	208
14768	Lynx	8½	24 17.23	4,229	47 5 59.7	7,213	215
14769	Canis Minor ..	7	24 19.33	3,138	86 50 53.6	7,213	257
14770	Canis Minor ..	8	24 19.81	3,132	87 9 12.1	7,216	257
14771	Gemini	9	24 20.54	3,547	69 4 24.6	7,216	273
14772	Monoceros....	8	24 21.36	2,912	97 12 32.2	7,218	267
14773	Canis Minor ..	7½	24 24.86	3,195	84 16 37.6	7,223	261
14774	Canis Minor ..	7½	24 24.92	3,176	85 8 2.0	7,223	261
14775	Puppis	9	24 28.58	2,609	110 16 59.3	7,228	320
14776	Puppis	5½	24 36.64	2,756	104 6 3.9	7,240	277
14777	Lynx	8	24 37.16	4,069	51 18 24.6	7,240	209
14778	Canis Minor ..	8	24 37.39	3,245	81 59 32.7	7,240	44
14779	Lynx	9	24 41.39	4,475	41 35 7.9	7,245	377
14780	Monoceros....	8½	24 41.61	2,831	100 49 1.4	7,246	269
14781	Gemini	8½	24 44.23	3,850	57 57 13.1	7,249	207
14782	Monoceros....	8½	24 44.82	3,000	93 12 32.0	7,249	259
14783	Puppis	6½	24 47.47	2,507	114 17 26.2	7,252	468
14784	Lynx	8	24 51.18	4,228	47 6 19.5	7,258	208
14785	Lynx	8	24 51.19	4,229	47 5 15.4	7,258	208
14786	Lynx	7½	24 51.32	4,228	47 5 28.9	7,259	54
14787	Lynx	7½	24 51.34	4,229	47 5 18.9	7,259	54
14788	Lynx	8½	24 52.00	4,228	47 6 29.9	7,259	215
14789	Lynx	8½	24 52.01	4,229	47 5 20.9	7,259	215
14790	Monoceros....	8½	24 59.61	3,091	89 1 37.3	7,269	263
14791	Monoceros....	9	25 1.13	2,961	94 59 49.8	7,273	259
14792	Gemini	9	25 4.07	3,439	73 29 37.6	7,276	51
14793	Puppis	9	25 4.92	2,607	110 22 35.3	7,278	283
14794	Gemini	8½	25 6.73	3,546	69 4 54.7	7,280	273
14795	Gemini	9	25 9.28	3,915	55 51 1.5	7,283	213
14796	Gemini	9	25 9.97	3,915	55 51 4.8	7,285	274
14797	Puppis	7	25 10.15	2,718	105 46 7.0	7,285	279
14798	Puppis	7	25 10.70	2,718	105 46 9.6	7,285	280
14799	Puppis	7	25 15.61	2,772	103 27 1.5	7,292	271
14800	Puppis	7	7 25 15.63	+2,772	103 27 0.0	+7,292	277

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14801	Lynx	8½	7 25 15.69	+4.070	51 13 43.7	+7.292	209
14802	Monoceros....	9	25 17.61	2.834	100 42 1.2	7.295	269
14803	Gemini	7½	25 19.23	3.538	69 24 27.4	7.297	253
14804	Gemini	7	25 19.31	3.538	69 24 16.3	7.297	273
14805	Gemini	7½	25 24.23	3.898	56 22 35.2	7.303	274
14806	Gemini	6	25 24.62	3.957	54 31 3.1	7.305	317
14807	Puppis	8½	25 28.08	2.507	114 19 44.6	7.309	468
14808	Puppis	7½	25 28.19	2.623	109 42 47.6	7.309	283
14809	Puppis	9	25 28.42	2.609	110 17 2.8	7.310	283
14810	Puppis	5	25 29.85	2.570	111 52 22.5	7.311	322
14811	Gemini	8½	25 30.46	3.914	55 51 15.8	7.311	274
14812	Gemini	8	25 30.67	3.914	55 51 8.6	7.311	213
14813	Lynx	8	25 31.80	4.720	37 2 36.9	7.314	564
14814	Gemini	7	25 35.29	3.458	72 39 47.9	7.318	255
14815	Gemini	9	25 39.08	3.841	58 14 0.8	7.323	207
14816	Puppis	8	25 41.59	2.765	103 44 6.5	7.326	277
14817	Gemini	8	25 43.39	3.580	67 42 21.4	7.329	214
14818	Canis Minor ..	8½	25 43.75	3.346	77 29 21.5	7.330	312
14819	Canis Minor ..	8½	25 44.69	3.240	82 13 0.6	7.331	44
14820	Monoceros....	8½	25 47.70	2.988	93 46 4.8	7.335	259
14821	Lynx	9	25 50.92	4.086	50 45 50.8	7.340	323
14822	Gemini	7½	25 50.98	3.507	70 38 34.8	7.340	253
14823	Puppis n¹	8	25 51.55	2.540	113 2 47.2	7.340	322
14824	Puppis n¹	7	25 51.56	2.540	113 2 50.4	7.340	468
14825	Puppis n²	7	25 52.04	2.540	113 2 47.2	7.342	322
14826	Puppis n²	7	25 52.16	2.540	113 2 50.4	7.342	468
14827	Puppis	8	25 54.96	2.595	110 52 52.2	7.345	283
14828	Canis Minor ..	6½	25 55.77	3.207	83 42 21.1	7.347	261
14829	Monoceros....	8	25 56.69	3.006	92 56 17.9	7.347	275
14830	Puppis	•	26 0.12	2.595	110 52 46.0	7.352	320
14831	Lynx	5	26 0.24	5.153	30 50 56.5	7.352	381
14832	Puppis	9	26 2.16	2.688	107 4 19.2	7.355	279
14833	Puppis	9½	26 2.49	2.688	107 4 18.8	7.355	280
14834	Monoceros....	7	26 3.46	3.010	92 43 38.6	7.357	275
14835	Gemini 0	5	26 4.94	3.942	54 58 15.6	7.359	317
14836	Gemini 0	5	26 5.06	3.942	54 58 17.1	7.359	213
14837	Canis Minor ..	8	26 6.53	3.212	83 29 26.7	7.360	261
14838	Gemini	7	26 6.93	3.644	65 12 13.2	7.361	214
14839	Puppis	7½	26 8.26	2.768	103 36 50.1	7.363	277
14840	Monoceros....	8½	7 26 8.43	+2.897	97 54 57.8	+7.364	267

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14841	Gemini	9	7 26 10,36	+3,386	75 44 53,2	+7,365	216
14842	Monoceros....	9	26 11,56	2,921	96 49 41,8	7,367	265
14843	Lynx	9	26 14,29	4,717	37 2 48,9	7,371	382
14844	Puppis	7	26 14,90	2,686	107 7 32,5	7,372	279
14845	Puppis	8	26 15,19	2,686	107 7 40,0	7,372	282
14846	Puppis	8	26 15,30	2,686	107 7 29,1	7,372	280
14847	Puppis	8½	26 20,42	2,690	106 58 22,7	7,379	279
14848	Lynx	8½	26 20,44	4,406	42 56 27,8	7,379	384
14849	Puppis	9	26 20,97	2,690	106 58 22,3	7,381	280
14850	Puppis	8½	26 21,63	2,774	103 23 34,2	7,381	277
14851	Lynx	6½	26 22,71	4,479	41 25 4,4	7,382	383
14852	Lynx	8	26 22,72	4,174	48 23 43,2	7,382	215
14853	Lynx	7½	26 23,18	4,174	48 23 37,0	7,383	208
14854	Lynx	7	26 23,21	4,479	41 24 58,9	7,383	377
14855	Monoceros....	8½	26 30,55	2,994	93 30 7,3	7,393	259
14856	Gemini	6½	26 32,23	3,398	75 13 17,6	7,396	314
14857	Gemini	7	26 32,28	3,398	75 13 17,5	7,396	51
14858	Gemini	7½	26 32,44	3,397	75 13 25,6	7,396	216
14859	Gemini	6½	26 33,26	3,391	75 30 59,0	7,398	314
14860	Gemini	7½	26 33,43	3,391	75 31 1,0	7,398	216
14861	Gemini	7	26 33,76	3,391	75 30 56,9	7,398	51
14862	Gemini	9	26 35,24	3,462	72 29 12,0	7,399	255
14863	Monoceros....	7	26 36,58	2,898	97 52 42,8	7,401	267
14864	Canis Minor ..	8	26 41,97	3,197	84 9 31,0	7,410	261
14865	Lynx	5½	26 44,65	4,068	51 12 43,2	7,413	323
14866	Lynx	7	26 45,02	4,068	51 12 42,2	7,413	209
14867	Lynx	8½	26 50,65	4,704	37 14 10,0	7,421	564
14868	Puppis	7	26 52,05	2,758	104 3 37,3	7,423	277
14869	Puppis	9	26 55,42	2,587	111 14 52,3	7,427	283
14870	Gemini	9½	26 58,90	3,642	65 14 49,5	7,432	214
14871	Lynx	9	26 59,82	4,604	38 58 59,7	7,433	564
14872	Monoceros....	8½	27 2,87	3,053	90 45 39,1	7,437	50
14873	Puppis	9	27 2,92	2,592	111 3 3,8	7,437	283
14874	Puppis	8	27 5,53	2,656	108 24 50,3	7,440	282
14875*	Gemini	7	27 5,57	3,859	57 32 43,4	7,440	207
14876	Gemini	6½	27 5,61	3,640	65 20 10,6	7,440	214
14877	Puppis	8	27 7,16	2,703	106 27 34,9	7,442	280
14878	Puppis	8½	27 10,01	2,492	114 57 43,9	7,447	468
14879	Monoceros....	8½	27 13,15	2,846	100 12 8,0	7,450	269
14880	Canis Minor ..	8	7 27 18,26	+3,121	87 38 0,2	+7,457	263

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14881	Monoceros....	6	7 27 19.73	+2,990	93 40 30.9	+7.459	259
14882	Monoceros....	5½	27 20.09	2,990	93 40 27.9	7.461	275
14883	Puppis	9	27 21.83	2,493	114 54 21.1	7.463	468
14884	Puppis	8	27 24.05	2,759	104 2 52.4	7.466	277
14885	Puppis	8	27 24.55	2,759	104 2 56.4	7.466	277
14886	Canis Minor ..	8½	27 24.99	3,201	83 57 55.9	7.467	261
14887	Monoceros....	8½	27 25.14	3,050	90 54 12.6	7.467	50
14888	Puppis	8	27 29.06	2,760	104 11 25.3	7.473	277
14889	Lynx	9	27 30.33	5,158	32 43 34.4	7.474	381
14890	Gemini	9½	27 33.83	3,707	62 49 43.6	7.480	144
14891	Monoceros....	8	27 44.28	3,023	92 9 25.7	7.494	275
14892	Puppis	8½	27 49.39	2,491	115 1 14.5	7.501	468
14893	Puppis	6	27 53.53	2,636	109 16 0.9	7.506	282
14894	Gemini f	6	27 54.86	3,475	71 52 53.6	7.508	255
14895	Canis Minor ..	8½	28 0.83	3,253	81 35 16.7	7.516	44
14896	Monoceros....	7½	28 1.13	2,911	97 17 14.3	7.516	267
14897	Monoceros....	7	28 1.37	2,911	97 17 16.8	7.516	265
14898	Lynx	9	28 2.28	4,397	43 3 27.6	7.518	384
14899	Monoceros....	7	28 5.81	2,928	96 31 6.6	7.522	265
14900	Lynx	8	28 11.55	4,183	48 3 39.2	7.530	54
14901	Puppis	6½	28 12.03	2,494	114 53 45.2	7.530	468
14902	Canis Minor ..	8	28 12.62	3,274	80 37 57.7	7.532	211
14903	Monoceros....	9	28 12.90	2,906	97 31 22.2	7.532	267
14904	Monoceros....	8	28 13.02	3,090	89 3 12.2	7.532	263
14905	Monoceros....	7½	28 21.30	2,902	97 41 3.8	7.544	267
14906	Puppis	7	28 21.42	2,595	110 57 32.6	7.544	283
14907	Canis Minor ..	9	28 21.94	3,194	84 15 59.6	7.544	261
14908	Puppis	7	28 26.56	2,761	104 0 2.4	7.551	278
14909	Puppis	8½	28 26.88	2,732	105 14 28.7	7.551	280
14910	Monoceros....	8	28 33.82	3,048	91 0 35.3	7.560	275
14911	Monoceros....	8	28 33.98	3,048	91 0 32.5	7.560	50
14912	Monoceros....	7½	28 42.60	2,847	100 10 15.3	7.571	269
14913	Gemini	9	28 43.85	3,613	66 18 24.1	7.573	214
14914	Canis Minor α	1	28 49.48	3,194	84 16 19.2	7.581	211
14915	Canis Minor α	1	28 49.56	3,194	84 16 15.0	7.582	44
14916	Canis Minor α	1	28 49.74	3,194	84 16 19.7	7.582	261
14917	Canis Minor α	1	28 49.98	3,194	84 16 21.1	7.582	257
14918	Canis Minor α	1	28 50.11	3,194	84 16 22.1	7.582	263
14919	Lynx	•	28 51.92	4,593	39 6 34.0	7.584	383
14920	Lynx	5½	7 28 52.43	+4,593	39 6 32.7	+7.585	564

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14921	Gemini	7	7 28 59.16	+3,607	66 31 56.4	+7,595	214
14922	Lynx	9	29 0.82	5,136	32 55 22.5	7,597	381
14923	Puppis	7½	29 3.59	2,724	105 36 9.2	7,600	279
14924	Puppis	7½	29 3.82	2,724	105 36 11.8	7,602	280
14925	Monoceros....	9	29 15.60	2,849	100 6 5.1	7,617	269
14926	Lynx	8½	29 17.28	4,279	45 39 25.9	7,619	54
14927	Canis Minor ..	7	29 29.45	3,193	84 19 10.0	7,635	261
14928	Gemini	7	29 31.92	3,383	75 46 45.3	7,638	216
14929	Gemini	8½	29 36.77	3,608	66 27 28.5	7,645	214
14930	Lynx	7	29 39.00	4,274	45 44 54.1	7,649	54
14931	Gemini	8	29 40.02	3,584	67 25 42.2	7,649	273
14932	Gemini	7½	29 41.96	3,801	59 22 44.7	7,652	53
14933	Gemini	8½	29 42.98	3,619	66 2 6.1	7,654	214
14934	Gemini	6	29 43.93	3,918	55 32 46.6	7,654	317
14935	Puppis	8	29 45.91	2,772	103 33 23.8	7,658	278
14936	Lynx	8½	29 50.33	4,613	38 41 24.2	7,663	564
14937	Monoceros....	8	29 52.13	3,039	91 25 30.6	7,667	275
14938	Monoceros....	8	29 57.93	3,002	93 8 0.2	7,674	259
14939	Puppis m	6	29 58.14	2,496	114 55 10.5	7,674	468
14940	Monoceros....	9	29 59.51	3,103	89 26 40.8	7,676	50
14941	Monoceros....	8	30 0.91	2,944	95 47 44.0	7,678	265
14942	Gemini	8½	30 6.49	3,604	66 37 1.8	7,686	214
14943	Lynx	8	30 10.29	4,212	47 13 48.5	7,690	54
14944	Canis Minor ..	9	30 10.44	3,188	84 32 47.5	7,691	261
14945	Puppis	7½	30 11.07	2,624	109 49 26.5	7,691	283
14946	Puppis	6½	30 14.15	2,663	108 14 0.1	7,695	282
14947	Puppis .....	.	30 14.20	2,719	105 52 9.0	7,695	279
14948	Puppis	8	30 14.21	2,719	105 52 12.6	7,695	280
14949	Lynx	8½	30 14.91	4,483	41 8 48.7	7,697	383
14950	Canis Minor ..	7½	30 16.40	3,168	85 28 10.6	7,698	257
14951	Puppis	8	30 20.51	2,775	103 26 10.3	7,703	278
14952	Puppis	6½	30 22.59	2,706	106 23 52.4	7,707	280
14953	Monoceros....	9	30 23.62	3,040	91 22 40.5	7,709	275
14954	Puppis	9	30 24.89	2,806	102 3 13.2	7,711	271
14955	Gemini	9½	30 34.77	3,379	75 55 32.8	7,723	216
14956	Gemini	7	30 38.30	3,376	76 3 48.9	7,729	216
14957	Gemini	6	30 38.51	3,376	76 3 47.3	7,729	314
14958	Gemini	8	30 38.58	3,868	57 5 40.2	7,729	213
14959	Gemini	8½	30 39.29	3,868	57 5 40.1	7,729	274
14960	Canis Minor ..	8	7 30 45.74	+3,291	79 50 19.5	+7,738	211

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14961	Gemini	6½	7 30 45.88	+3.392	75 20 7.7	+7.738	51
14962	Gemini σ	5	30 47.48	3.764	60 38 42.3	7.741	53
14963	Gemini	7½	30 47.72	3.585	67 19 2.4	7.741	273
14964	Puppis	8½	30 52.67	2.495	114 59 44.6	7.749	468
14965	Monoceros....	6	30 54.88	2.902	97 43 48.5	7.750	267
14966	Lynx	7½	30 57.04	4.620	38 30 37.9	7.753	564
14967	Lynx	8	30 58.92	4.359	43 43 22.1	7.756	384
14968	Monoceros....	9	30 58.94	3.011	92 42 37.7	7.756	275
14969	Gemini	•	31 1.12	3.481	71 33 21.1	7.759	255
14970	Canis Minor ..	6½	31 4.45	3.158	85 55 8.6	7.762	257
14971	Monoceros....	8	31 7.78	2.934	96 15 47.6	7.767	265
14972	Monoceros....	8	31 7.83	2.922	96 50 21.3	7.767	265
14973	Lynx	9	31 13.02	4.339	44 10 24.6	7.775	384
14974	Puppis	5½	31 14.52	2.744	104 48 38.2	7.776	280
14975	Puppis	5½	31 14.78	2.744	104 48 33.8	7.776	278
14976	Monoceros....	9	31 15.01	2.930	96 28 5.3	7.776	265
14977	Gemini	9	31 15.66	3.370	76 17 55.4	7.778	216
14978	Lynx	7½	31 17.47	4.239	46 30 13.4	7.780	54
14979	Puppis	9	31 19.39	2.811	101 52 2.7	7.784	271
14980	Puppis	6½	31 25.42	2.640	109 12 29.4	7.791	282
14981	Gemini	6½	31 26.47	3.589	67 8 30.3	7.793	273
14982	Puppis	8½	31 29.41	2.660	108 22 36.2	7.796	282
14983	Puppis	8	31 38.34	2.514	114 16 8.5	7.809	468
14984	Monoceros....	4½	31 41.56	2.872	99 5 36.0	7.812	267
14985	Monoceros....	4½	31 41.56	2.872	99 5 39.2	7.812	269
14986	Lynx	8½	31 41.56	4.244	46 21 36.5	7.812	54
14987	Puppis	7½	31 44.24	2.519	114 5 9.4	7.816	468
14988	Gemini	9½	31 46.86	3.375	76 5 48.3	7.820	216
14989	Puppis	8	31 48.44	2.582	111 35 42.7	7.822	285
14990	Gemini	8	31 52.33	3.636	65 17 34.2	7.827	214
14991	Gemini σ	6	31 53.86	3.677	63 44 55.0	7.829	146
14992	Gemini	9	31 54.51	3.863	57 11 23.6	7.830	213
14993	Gemini	8½	31 55.50	3.863	57 11 24.4	7.832	274
14994	Monoceros....	7½	32 0.53	2.925	96 41 38.0	7.838	265
14995	Lynx	9	32 8.27	4.621	39 25 26.8	7.849	564
14996	Monoceros....	9	32 11.01	3.004	93 3 44.8	7.852	275
14997	Puppis	9	32 12.00	2.755	104 21 42.1	7.854	278
14998	Monoceros....	8½	32 12.01	3.004	93 3 35.8	7.854	275
14999	Lynx	9	32 19.89	4.989	32 39 18.4	7.865	381
15000	Gemini x	4½	7 32 21.10	+3.640	65 8 6.1	+7.866	214

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15001	Gemini x	4½	7 32 21.18	+3,640	65 8 11.4	+7,866	146
15002	Puppis	8	32 21.73	2,531	113 37 56.4	7,866	468
15003	Puppis	8½	32 22.24	2,657	108 32 13.5	7,867	282
15004	Gemini x	4½	32 23.13	3,640	65 8 9.1	7,868	286
15005	Lynx	8	32 24.24	4,982	32 44 38.5	7,870	381
15006	Puppis	8	32 24.81	2,527	113 49 4.4	7,870	468
15007	Gemini	7	32 27.98	3,534	69 19 41.9	7,875	273
15008	Canis Minor ..	8	32 28.04	3,114	87 55 54.1	7,875	263
15009	Puppis	8½	32 29.48	2,603	110 47 34.4	7,877	283
15010	Gemini	8	32 31.00	3,416	74 16 41.3	7,879	51
15011	Puppis	8½	32 37.81	2,822	101 23 44.1	7,889	271
15012	Gemini	8½	32 38.22	3,931	54 58 32.5	7,889	317
15013	Gemini	9	32 38.57	3,931	54 58 39.5	7,891	220
15014	Lynx	8½	32 40.33	4,362	43 34 15.1	7,893	384
15015	Monoceros....	8	32 42.06	2,922	96 51 53.7	7,894	265
15016	Canis Minor ..	8½	32 45.77	3,147	86 24 24.9	7,900	257
15017	Puppis	7	32 47.87	2,576	111 52 51.4	7,903	285
15018	Monoceros....	8	32 48.63	2,844	100 25 8.2	7,903	269
15019	Monoceros....	7	32 49.08	3,084	89 20 50.9	7,903	263
15020	Monoceros....	7	32 49.20	3,084	89 20 53.0	7,903	50
15021	Gemini	9	32 49.95	3,637	65 12 50.3	7,905	214
15022	Canis Minor ..	8	32 52.26	3,148	86 19 44.8	7,909	257
15023	Monoceros....	9	32 52.62	2,842	100 28 44.4	7,909	269
15024	Puppis	9½	32 52.91	2,603	110 48 35.5	7,909	283
15025	Canis Minor ..	8	32 53.95	3,288	79 55 55.3	7,911	211
15026	Canis Minor ..	8½	32 54.94	3,215	83 15 1.3	7,912	44
15027	Canis Minor ..	7½	33 0.24	3,155	86 2 42.3	7,920	257
15028	Gemini β	2	33 1.69	3,737	61 30 13.5	7,921	253
15029	Gemini	9½	33 2.20	3,632	65 24 22.6	7,921	214
15030	Gemini β	2½	33 2.97	3,737	61 30 9.7	7,923	207
15031	Gemini β	2	33 3.09	3,737	61 30 17.2	7,923	146
15032	Gemini β	.	33 3.10	3,737	61 30 11.0	7,923	274
15033	Gemini	7½	33 3.44	3,361	76 40 26.5	7,923	216
15034	Gemini β	2	33 3.53	3,737	61 30 10.5	7,923	146
15035	Gemini β	2	33 3.75	3,737	61 30 10.1	7,923	53
15036	Gemini β	2	33 3.81	3,737	61 30 16.0	7,923	319
15037	Gemini β	2	33 4.23	3,737	61 30 11.4	7,924	317
15038	Gemini β	2	33 4.39	3,737	61 30 14.5	7,925	144
15039	Puppis	9	33 5.41	2,600	110 54 43.4	7,925	283
15040	Puppis	7½	7 33 10.75	+2,575	111 56 54.2	+7,930	285

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15041	Gemini	9½	7 33 11.02	+3,360	76 42 20.5	+7,933	216
15042	Lynx	8	33 11.31	4,056	51 15 25.0	7,935	55
15043	Puppis	7½	33 13.65	2,727	105 36 27.1	7,937	280
15044	Monoceros....	7	33 16.28	2,991	93 39 54.5	7,939	259
15045	Puppis	9	33 16.93	2,652	108 45 42.1	7,941	282
15046	Lynx	5½	33 17.10	4,029	52 0 44.7	7,941	55
15047	Puppis	7½	33 17.87	2,590	111 21 25.0	7,942	285
15048	Lynx	8	33 19.30	4,599	38 46 6.7	7,944	383
15049	Puppis	9	33 23.41	2,749	103 50 10.9	7,950	278
15050	Gemini	6½	33 23.95	3,536	69 12 52.8	7,950	273
15051	Gemini	7	33 24.14	3,536	69 13 0.9	7,950	255
15052	Puppis	8	33 26.07	2,544	113 9 31.3	7,953	468
15053	Puppis	8½	33 26.13	2,729	105 29 31.3	7,953	280
15054	Monoceros....	8	33 26.63	3,051	90 52 56.7	7,954	40
15055	Puppis	8½	33 28.91	2,766	103 53 23.3	7,957	278
15056	Puppis	7½	33 29.44	2,655	108 38 36.4	7,958	282
15057	Puppis	9	33 30.55	2,804	102 12 20.6	7,960	271
15058	Gemini	8½	33 36.11	3,430	73 38 12.0	7,968	51
15059	Puppis	9	33 39.90	2,768	103 49 43.0	7,972	278
15060	Monoceros....	7½	33 42.03	2,979	94 14 33.1	7,975	259
15061	Puppis	7½	33 42.94	2,578	111 49 58.3	7,977	285
15062	Lynx	9	33 49.48	4,656	37 42 35.0	7,985	564
15063	Puppis	6½	33 58.02	2,704	106 35 52.3	7,998	280
15064	Gemini	8	33 59.68	3,942	54 33 44.6	7,998	220
15065	Gemini	8	34 0.43	3,942	54 33 48.3	7,999	317
15066	Puppis	8	34 5.96	2,582	111 42 5.2	8,007	285
15067	Monoceros....	8	34 7.46	2,935	96 14 45.3	8,009	265
15068	Puppis	9	34 8.50	2,649	108 57 23.6	8,010	282
15069	Canis Minor ..	9½	34 8.61	3,275	80 30 42.6	8,010	211
15070	Gemini .....	.	34 8.84	3,616	65 58 43.4	8,010	214
15071	Monoceros....	8½	34 9.60	3,010	92 47 0.7	8,011	275
15072	Gemini	9	34 12.82	3,382	75 42 13.7	8,017	216
15073	Gemini	8	34 18.61	3,555	68 24 20.3	8,024	273
15074	Gemini	8	34 22.20	3,880	56 30 50.4	8,028	274
15075	Gemini	8	34 22.83	3,848	57 34 47.9	8,030	319
15076	Gemini	8	34 25.62	3,898	55 57 20.8	8,034	213
15077	Monoceros....	8	34 26.07	2,971	94 35 49.1	8,034	259
15078	Gemini g	6	34 31.93	3,491	71 0 53.3	8,041	255
15079	Puppis	8½	34 33.69	2,835	100 50 34.2	8,044	269
15080	Gemini π	5	7 34 35.06	+3,893	56 6 25.6	+8,046	213

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15081	Gemini	5	7 34 35.37	+3,893	56 6 26.0	+8,046	207
15082	Lynx	9½	34 37.03	4,176	47 54 33.5	8,048	215
15083	Puppis	7½	34 39.23	2,489	115 22 21.9	8,052	468
15084	Monoceros	9	34 45.42	3,051	90 51 41.2	8,060	51
15085*	Canis Minor ..	8	34 46.28	3,305	79 7 45.5	8,061	312
15086	Canis Minor ..	8	34 46.65	3,306	79 3 45.7	8,061	211
15087	Puppis	8½	34 54.40	2,604	110 48 58.0	8,072	283
15088	Gemini	8½	35 1.28	3,379	75 47 47.0	8,080	216
15089	Puppis	9	35 3.85	2,669	108 8 3.7	8,083	282
15090	Puppis	8	35 4.34	2,708	106 27 46.9	8,085	280
15091	Monoceros	9	35 6.20	2,899	97 55 14.2	8,087	267
15092	Gemini	7	35 7.52	3,618	65 51 28.7	8,089	214
15093	Gemini	8	35 11.44	3,447	72 52 36.5	8,095	255
15094	Lynx	8	35 11.92	3,996	52 52 30.1	8,095	55
15095	Monoceros	8½	35 13.43	2,942	95 58 14.9	8,097	265
15096	Canis Minor ..	6	35 14.84	3,335	77 45 17.5	8,098	312
15097	Gemini	7½	35 15.22	3,874	56 39 41.8	8,098	274
15098	Monoceros	7	35 15.59	2,985	93 58 41.8	8,100	259
15099	Lynx	8½	35 16.24	4,584	38 55 33.0	8,101	564
15100	Lynx	8	35 17.34	4,287	45 8 42.3	8,102	54
15101	Puppis	8	35 17.73	2,686	107 23 40.0	8,102	282
15102	Lynx	9	35 18.25	4,230	46 30 12.2	8,104	54
15103	Puppis	7	35 18.69	2,498	115 2 5.3	8,104	468
15104	Canis Minor ..	8	35 21.80	3,135	86 57 54.6	8,108	257
15105	Gemini	9	35 22.19	3,901	55 48 52.6	8,108	213
15106	Canis Minor ..	9	35 22.77	3,188	84 27 10.7	8,110	261
15107	Gemini	8½	35 29.92	3,887	56 14 58.5	8,119	274
15108	Gemini	8½	35 29.96	3,887	56 14 55.9	8,119	213
15109	Gemini	9	35 30.72	3,752	60 51 14.8	8,120	144
15110	Gemini	8½	35 30.80	3,752	60 51 15.7	8,120	53
15111	Lynx	8	35 32.10	4,306	44 40 36.0	8,122	54
15112	Gemini	9	35 32.25	3,605	66 22 4.3	8,122	214
15113	Gemini	9	35 35.37	3,386	75 28 25.9	8,127	216
15114	Puppis	8½	35 37.69	2,826	101 17 29.5	8,130	271
15115	Canis Minor ..	8½	35 38.11	3,159	85 50 13.6	8,130	257
15116	Puppis	8	35 38.77	2,751	104 36 47.1	8,130	278
15117	Gemini	8½	35 41.81	3,383	75 38 8.1	8,135	216
15118	Puppis	8	35 44.68	2,691	107 13 21.2	8,138	282
15119	Monoceros	9	35 44.95	2,890	98 22 15.8	8,139	267
15120	Puppis	9	7 35 49.19	+2,737	105 13 29.9	+8,145	278

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15121	Lynx	8	7 35 49.65	+4.989	32 19 31.6	+8.145	381
15122	Monoceros....	7½	35 51.12	2.958	95 12 11.1	8.147	259
15123	Monoceros....	8½	35 57.05	2.861	99 41 12.3	8.155	269
15124	Gemini	8½	35 58.78	3.549	68 35 0.0	8.158	273
15125	Gemini	9	36 0.01	3.420	73 59 45.6	8.158	51
15126	Gemini	8	36 0.27	3.754	60 45 14.9	8.160	144
15127	Gemini	8½	36 0.30	3.754	60 45 17.9	8.160	53
15128	Lynx	8	36 3.31	4.011	52 23 22.1	8.164	55
15129	Gemini	8	36 4.16	3.815	58 36 27.0	8.164	319
15130	Monoceros....	8	36 7.57	2.919	97 3 3.1	8.170	265
15131	Puppia	6	36 9.39	2.521	114 12 8.0	8.172	468
15132	Gemini	9	36 11.08	3.424	73 48 50.2	8.174	51
15133	Monoceros....	8	36 11.54	2.995	93 29 3.8	8.175	275
15134	Canis Minor ..	.	36 12.71	3.157	85 53 27.8	8.176	257
15135	Canis Minor ..	8	36 13.98	3.119	87 39 51.6	8.177	263
15136	Monoceros....	5½	36 14.63	2.935	96 17 31.0	8.179	265
15137	Puppia	8	36 16.41	2.761	104 12 37.3	8.181	280
15138	Puppia	7	36 17.01	2.760	104 12 54.4	8.182	280
15139	Gemini	8½	36 20.17	3.388	75 22 14.9	8.187	216
15140	Canis Minor ..	7½	36 23.89	3.185	84 35 39.2	8.191	261
15141	Puppia	9½	36 24.90	2.743	104 58 2.9	8.193	278
15142	Canis Minor ..	9	36 27.14	3.232	82 24 29.4	8.196	44
15143	Lynx	9	36 30.66	4.407	42 22 40.2	8.200	377
15144	Gemini	8	36 33.21	3.748	60 56 32.2	8.203	53
15145	Gemini	8½	36 33.67	3.748	60 56 27.3	8.203	144
15146	Gemini	7½	36 34.97	3.604	66 22 35.6	8.205	214
15147	Canis Minor ..	7½	36 38.98	3.273	80 32 52.4	8.211	211
15148	Puppia	6	36 44.21	2.764	104 5 9.8	8.218	280
15149	Puppia	9	36 44.45	2.750	104 42 7.8	8.218	278
15150	Monoceros....	8½	36 44.54	3.001	93 12 51.3	8.218	275
15151	Puppia	8	36 45.47	2.522	114 10 40.9	8.218	468
15152	Monoceros....	8½	36 45.51	2.997	93 24 28.4	8.219	259
15153	Monoceros....	8½	36 45.58	2.997	93 24 31.7	8.219	275
15154	Lynx	9	36 46.14	4.638	37 52 34.9	8.220	564
15155	Gemini	7	36 46.84	3.486	71 10 42.9	8.220	253
15156	Puppia	8½	36 48.82	2.674	107 57 48.0	8.224	282
15157	Gemini	8½	36 49.62	3.745	61 2 10.5	8.224	144
15158	Canis Minor ..	8	36 50.66	3.099	88 36 6.5	8.226	263
15159	Gemini	8	36 57.88	3.545	68 43 14.2	8.235	273
15160	Camelopardus .	8	7 37 0.80	+5.076	31 17 25.9	+8.239	381

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15161	Canis Minor ..	8½	7	37	3.49	+3,237	82	10	38.2	+8,243	44
15162	Puppis	8		37	3.61	2,663	108	25	34.0	8,243	282
15163	Puppis	9		37	8.40	2,622	110	9	34.8	8,250	283
15164	Puppis	9		37	8.47	2,752	104	35	10.4	8,250	278
15165	Puppis	8½		37	9.37	2,828	101	12	30.7	8,251	271
15166	Puppis	8		37	9.48	2,828	101	12	28.1	8,251	269
15167	Gemini	9		37	9.82	3,371	76	5	54.1	8,252	216
15168	Monoceros....	8		37	11.76	2,891	98	20	18.1	8,254	267
15169	Gemini	8		37	14.05	3,637	65	1	32.6	8,257	214
15170	Canis Minor ..	9		37	14.06	3,270	80	40	55.8	8,258	211
15171	Canis Minor ..	9		37	14.47	3,097	88	42	17.8	8,258	263
15172	Gemini	8		37	15.19	3,637	65	1	32.2	8,258	146
15173	Gemini	7		37	18.90	3,482	71	19	20.1	8,264	253
15174	Puppis	9		37	22.50	2,619	110	16	58.9	8,269	283
15175	Puppis	7		37	23.72	2,806	102	11	41.6	8,270	271
15176	Puppis	7½		37	25.07	2,533	113	46	35.6	8,271	468
15177	Canis Minor ..	7		37	25.43	3,195	84	6	16.6	8,273	261
15178	Puppis	9		37	27.59	2,673	108	1	23.7	8,275	282
15179	Canis Minor ..	9		37	28.94	3,196	84	3	38.6	8,277	261
15180	Puppis	8		37	29.50	2,558	112	46	56.9	8,277	285
15181	Gemini	9		37	30.74	3,906	55	31	58.6	8,279	317
15182	Gemini	9½		37	30.89	3,916	55	12	54.1	8,279	220
15183	Gemini	8½		37	31.80	3,631	65	14	38.8	8,281	214
15184	Gemini	7½		37	32.02	3,736	61	18	42.9	8,281	53
15185	Puppis	7½		37	32.44	2,561	112	39	44.8	8,281	285
15186	Gemini	7½		37	32.48	3,736	61	18	48.1	8,281	144
15187	Gemini	8½		37	32.59	3,631	65	14	38.6	8,281	146
15188	Canis Minor ..	9½		37	38.82	3,225	82	43	44.6	8,290	44
15189	Monoceros....	8		37	39.99	3,005	93	2	43.2	8,292	275
15190	Canis Minor ..	9		37	44.72	3,283	80	2	28.1	8,299	211
15191	Lynx	7½		37	47.50	4,011	52	17	50.0	8,303	55
15192	Gemini	7		37	48.48	3,370	76	8	33.4	8,305	216
15193	Gemini	8½		37	50.24	3,751	60	46	42.6	8,307	144
15194	Gemini	8		37	50.27	3,751	60	46	38.8	8,307	53
15195	Puppis	8		37	53.89	2,550	113	7	13.9	8,310	285
15196	Lynx	7		37	58.04	4,006	52	25	31.2	8,316	55
15197	Puppis	7½		38	2.40	2,618	110	20	58.5	8,322	283
15198	Lynx	8		38	4.09	4,616	38	11	57.1	8,324	564
15199	Canis Minor ..	8		38	5.50	3,333	78	42	25.4	8,326	312
15200	Gemini	6½	7	38	9.31	+3,882	56	16	32.8	+8,332	213

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15201	Gemini	6½	7 38 9.45	+3,882	56 16 34.1	+8,332	274
15202	Lynx	8½	38 13.42	4,560	39 12 55.1	8,336	564
15203	Puppis	8½	38 15.66	2,560	112 43 6.4	8,339	285
15204	Gemini	6½	38 17.06	3,833	57 53 34.6	8,341	319
15205	Gemini	7	38 22.10	3,357	76 41 50.2	8,349	216
15206	Gemini	7½	38 23.09	3,833	57 53 24.7	8,350	319
15207	Canis Minor ..	7	38 25.25	3,172	85 10 40.6	8,352	261
15208	Gemini	8	38 25.93	3,407	74 29 12.4	8,352	51
15209	Lynx	9½	38 26.28	4,151	48 21 28.9	8,354	215
15210	Monoceros....	8	38 27.02	2,978	94 17 57.5	8,354	259
15211	Monoceros....	7½	38 28.83	2,957	95 17 15.8	8,357	265
15212	Gemini	9	38 30.43	3,510	70 6 4.1	8,360	253
15213	Puppis	7	38 32.07	2,736	105 20 17.9	8,361	280
15214	Canis Minor ..	7½	38 33.54	3,342	77 21 37.1	8,364	217
15215	Puppis	5½	38 34.68	2,818	101 42 38.3	8,364	269
15216	Puppis	6	38 34.80	2,818	101 42 42.0	8,366	271
15217	Puppis	9	38 35.29	2,506	114 53 3.9	8,366	468
15218	Gemini .....	.	38 36.83	3,627	65 20 54.1	8,368	146
15219	Puppis	7	38 39.09	2,732	105 31 44.0	8,370	280
15220	Canis Minor ..	8	38 40.14	3,094	88 50 54.4	8,371	263
15221	Gemini	9	38 43.35	3,618	65 43 21.8	8,375	214
15222	Puppis	9	38 43.39	2,620	110 18 27.4	8,376	283
15223	Gemini	9	38 47.53	3,864	56 48 48.4	8,381	213
15224	Lynx	7½	38 48.84	3,974	53 20 2.3	8,383	220
15225	Camelopardus .	8½	38 50.05	5,093	30 59 6.8	8,385	381
15226	Canis Minor ..	8½	38 52.27	3,200	83 51 53.5	8,389	261
15227	Canis Minor ..	9	38 52.54	3,255	81 19 31.6	8,389	44
15228	Lynx	7	38 56.74	3,974	53 20 2.2	8,395	55
15229	Gemini	8	38 56.78	3,762	60 20 16.8	8,395	53
15230	Lynx	6½	38 57.58	3,974	53 20 1.8	8,395	317
15231	Gemini	9½	38 58.59	3,685	63 8 43.4	8,397	144
15232	Puppis	9	39 0.39	2,776	103 36 33.5	8,399	278
15233	Lynx	8½	39 0.64	4,338	43 45 38.6	8,399	384
15234	Canis Minor ..	8	39 0.94	3,148	86 17 15.4	8,401	257
15235	Lynx	7	39 2.26	3,977	53 13 57.2	8,401	55
15236	Lynx	7	39 2.72	3,977	53 14 0.2	8,403	220
15237	Lynx	6½	39 3.18	3,977	53 14 0.7	8,403	317
15238	Gemini	8	39 6.00	3,627	65 20 55.4	8,407	214
15239	Monoceros....	9	39 6.44	3,044	91 11 23.1	8,407	51
15240	Puppis	9	7 39 7.37	+2,818	101 43 50.1	+8,409	271

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15241	Puppis	8	7 39 7.99	+2,654	108 55 1.7	+8,409	282
15242	Gemini	8	39 8.19	3,900	55 38 50.8	8,409	274
15243	Gemini	8	39 8.86	3,579	67 15 32.2	8,410	273
15244	Gemini	8½	39 10.98	3,533	69 4 47.6	8,413	211
15245	Puppis	8½	39 12.08	2,736	105 22 39.3	8,414	280
15246	Gemini	8	39 13.18	3,403	74 39 51.0	8,416	51
15247	Monoceros....	8	39 16.06	2,981	94 10 2.3	8,420	259
15248	Puppis	9	39 16.97	2,655	108 50 39.2	8,420	282
15249	Canis Minor ..	8	39 21.35	3,306	79 0 3.0	8,427	312
15250	Canis Minor ..	8	39 22.07	3,306	79 0 5.5	8,428	217
15251	Canis Minor ..	8	39 31.90	3,289	79 44 23.2	8,440	211
15252	Puppis	7	39 39.08	2,841	100 41 29.0	8,450	269
15253	Monoceros	7½	39 42.36	2,856	100 0 29.6	8,455	269
15254	Canis Minor ..	7½	39 42.95	3,203	83 44 28.6	8,455	261
15255	Gemini	9	39 46.12	3,863	56 48 3.7	8,459	213
15256	Lynx	9	39 46.33	4,530	39 42 42.8	8,459	383
15257	Puppis	7	39 46.85	2,528	114 5 19.0	8,461	468
15258	Gemini	8½	39 51.35	3,890	55 55 38.0	8,467	213
15259	Gemini	8½	39 51.43	3,890	55 55 37.2	8,467	274
15260	Puppis	7½	39 51.93	2,620	108 41 6.4	8,467	282
15261	Puppis	8	39 53.08	2,835	100 56 18.0	8,468	269
15262	Puppis	8	39 56.90	2,592	111 31 15.0	8,474	285
15263	Monoceros....	7	39 58.13	3,045	91 11 14.5	8,474	51
15264	Monoceros....	8	40 5.12	3,049	90 57 51.2	8,484	51
15265	Gemini	8½	40 8.09	3,387	75 19 57.1	8,487	216
15266	Camelopardus .	7	40 9.18	4,936	32 59 8.8	8,489	381
15267	Canis Minor ..	7	40 9.46	3,205	83 38 50.5	8,489	261
15268	Puppis	7	40 10.11	2,793	102 51 35.0	8,492	271
15269	Puppis	6½	40 10.12	2,793	102 51 37.3	8,492	278
15270	Canis Minor ..	8	40 15.93	3,239	82 3 58.6	8,500	44
15271	Canis Minor ..	7	40 17.16	3,175	85 2 51.9	8,500	261
15272	Gemini	6½	40 18.03	3,506	70 10 29.6	8,502	253
15273	Monoceros....	9	40 22.29	2,883	98 46 45.9	8,507	267
15274	Canis Minor ..	8	40 22.70	3,320	78 20 15.0	8,507	217
15275	Puppis	6½	40 24.57	2,777	103 35 32.7	8,509	278
15276	Monoceros....	8	40 25.63	3,046	91 6 49.6	8,511	51
15277	Puppis	8½	40 27.15	2,519	114 28 9.4	8,513	468
15278	Canis Minor ..	9½	40 27.51	3,265	80 49 59.1	8,513	211
15279	Monoceros....	7½	40 30.28	3,004	93 6 7.1	8,517	275
15280	Lynx	8½	7 40 30.65	+4,446	41 20 46.7	+8,518	377

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15281	Gemini	8	7 40 30.73	+3,509	70 2 42.4	+8,518	254
15282	Puppis	8½	40 31.30	2,714	106 21 48.8	8,519	280
15283	Monoceros....	6	40 33.97	2,885	98 41 18.0	8,523	267
15284	Monoceros....	9	40 34.37	3,010	92 49 31.4	8,523	275
15285	Puppis	6½	40 37.50	2,520	114 25 13.8	8,527	468
15286	Monoceros....	.	40 37.56	3,082	89 25 24.9	8,527	263
15287	Puppis	6	40 39.17	2,706	106 43 39.8	8,529	280
15288	Monoceros....	8½	40 41.11	3,051	90 52 8.1	8,531	51
15289	Lynx	9	40 41.76	4,260	45 28 43.0	8,533	54
15290	Gemini	8	40 44.00	3,803	58 47 26.8	8,535	319
15291	Monoceros....	8	40 45.83	2,957	95 18 20.5	8,538	265
15292	Monoceros....	8½	40 47.23	3,027	91 59 49.5	8,541	275
15293	Gemini	8½	40 47.61	3,862	56 47 28.0	8,541	213
15294	Gemini	8½	40 48.11	3,862	56 47 25.1	8,541	274
15295	Canis Minor ..	9	40 48.20	3,281	80 6 17.2	8,541	211
15296	Lynx	7½	40 48.34	4,259	45 30 12.1	8,541	54
15297	Lynx	8½	40 48.58	4,171	47 40 41.1	8,542	215
15298	Puppis	6½	40 50.47	2,653	109 0 40.6	8,545	282
15299	Puppis	9½	40 51.89	2,638	109 39 17.1	8,547	283
15300	Argo ξ	4	40 52.97	2,522	114 21 58.3	8,547	468
15301	Gemini	8½	40 54.08	3,724	61 34 52.6	8,549	144
15302	Monoceros....	8½	40 56.88	3,014	92 37 31.1	8,553	275
15303	Lynx	8	40 57.14	3,989	52 45 14.8	8,553	55
15304	Puppis	7	40 58.14	2,636	109 42 29.5	8,555	283
15305	Gemini	8	40 58.17	3,728	61 26 47.5	8,556	144
15306	Gemini	9½	40 59.99	3,578	67 12 57.5	8,557	211
15307	Lynx	9	41 0.52	4,566	38 56 33.6	8,557	564
15308	Gemini	8½	41 3.42	3,850	57 9 36.4	8,562	213
15309	Canis Minor ..	8	41 3.54	3,319	78 20 25.2	8,563	217
15310	Gemini	8	41 4.43	3,850	57 9 35.5	8,563	274
15311	Gemini	8	41 4.52	3,850	57 9 35.5	8,563	319
15312	Gemini	7	41 7.07	3,579	67 9 51.4	8,567	211
15313	Gemini	7	41 7.15	3,579	67 9 51.6	8,567	273
15314	Gemini	7½	41 7.64	3,579	67 9 50.7	8,567	214
15315	Canis Minor ..	9	41 8.16	3,276	80 17 39.4	8,568	211
15316	Gemini φ	6	41 13.86	3,693	62 43 42.6	8,574	146
15317	Gemini φ	5	41 14.61	3,693	62 43 48.9	8,576	144
15318	Puppis	6	41 14.95	2,653	109 1 40.8	8,576	282
15319	Lynx	9	41 17.20	3,925	54 43 43.3	8,579	317
15320	Lynx	9	7 41 17.27	+4,176	47 32 0.1	+8,579	215

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15321	Canis Minor ζ	5	7 41 19.33	+3,117	87 43 59.4	+8,582	257
15322	Canis Minor ζ	6	41 19.50	3,118	87 43 59.9	8,582	263
15323	Gemini	9	41 21.50	3,526	69 19 4.8	8,586	254
15324	Puppis	6½	41 26.83	2,843	100 37 42.3	8,592	269
15325	Gemini	8	41 29.18	3,687	62 55 19.2	8,596	144
15326	Puppis	7½	41 29.85	2,549	113 18 6.5	8,596	285
15327	Canis Minor ..	9½	41 39.45	3,338	77 27 46.2	8,608	217
15328	Lynx	9	41 42.82	4,115	49 8 6.5	8,613	215
15329	Puppis	7	41 43.54	2,549	113 18 10.5	8,614	468
15330	Gemini .....	.	41 44.56	3,413	74 7 0.5	8,616	51
15331	Monoceros....	.	41 44.82	2,880	98 54 17.1	8,616	267
15332	Monoceros....	7½	41 45.20	2,932	96 28 56.0	8,616	265
15333	Lynx	8	41 48.02	3,919	54 51 47.2	8,620	220
15334	Puppis	8½	41 49.58	2,842	100 40 17.5	8,622	269
15335	Lynx	7½	41 49.67	3,919	54 51 47.5	8,622	317
15336	Lynx	9	41 50.50	4,514	39 54 16.4	8,624	383
15337	Lynx	8½	41 54.73	4,003	52 17 40.9	8,630	55
15338	Gemini	9	41 55.12	3,418	73 53 41.3	8,630	51
15339	Gemini	8	41 58.26	3,447	72 38 48.7	8,634	255
15340	Lynx	9	42 0.19	4,112	49 11 27.6	8,636	215
15341	Puppis	9	42 4.80	2,593	111 33 33.0	8,642	285
15342	Monoceros....	7	42 5.97	3,014	92 38 8.4	8,644	275
15343	Gemini	8	42 8.77	3,847	57 12 13.7	8,648	213
15344	Gemini	7½	42 8.93	3,847	57 12 15.7	8,648	274
15345	Gemini	7½	42 8.96	3,847	57 12 20.7	8,648	319
15346	Puppis	6½	42 9.38	2,683	107 44 58.1	8,648	282
15347	Gemini	8	42 10.98	3,790	59 9 1.4	8,650	53
15348	Monoceros....	9	42 11.31	2,883	98 48 7.9	8,652	267
15349	Canis Minor ..	7½	42 12.66	3,152	86 6 41.6	8,652	257
15350	Lynx	8½	42 15.08	3,995	52 30 27.2	8,656	55
15351	Gemini	9	42 19.15	3,352	76 48 37.5	8,662	216
15352	Monoceros....	9	42 19.29	2,885	98 41 37.5	8,662	267
15353	Puppis	7½	42 19.37	2,806	102 19 2.4	8,662	271
15354	Monoceros....	9	42 21.98	2,875	99 9 9.0	8,666	267
15355	Gemini	7½	42 25.54	3,547	68 23 11.1	8,670	211
15356	Puppis	9	42 25.64	2,712	106 31 19.2	8,670	280
15357	Gemini	7	42 25.67	3,547	68 23 3.1	8,670	273
15358	Puppis	8½	42 27.78	2,846	100 31 11.1	8,672	269
15359	Monoceros....	8	42 30.25	3,025	92 7 3.3	8,676	275
15360	Puppis	5	7 42 30.59	+2,783	103 22 35.3	+8,676	278

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15361	Puppis	4½	7 42 30.60	+2,783	103° 22' 36.7	+8,676	271
15362	Monoceros....	8½	42 31.96	2,937	96 18 2.7	8,678	265
15363	Puppis	7	42 33.25	2,532	114 1 32.8	8,680	468
15364	Cancer	8	42 33.77	3,428	73 27 21.1	8,680	51
15365	Canis Minor ..	8½	42 36.80	3,308	78 48 10.2	8,684	312
15366	Canis Minor ..	9	42 36.82	3,308	78 48 13.2	8,684	217
15367	Puppis	9	42 39.76	2,570	112 31 47.9	8,688	285
15368	Gemini	8	42 45.07	3,735	61 6 2.3	8,696	53
15369	Monoceros....	8½	42 48.58	3,050	90 55 53.5	8,700	51
15370	Puppis	8	42 48.79	2,681	107 51 20.9	8,700	282
15371	Puppis	9	42 50.28	2,683	107 47 18.5	8,702	282
15372	Gemini	9	42 50.72	3,623	65 19 10.6	8,703	214
15373	Canis Minor ..	8	42 51.35	3,271	80 29 22.3	8,704	211
15374	Monoceros....	6	42 54.73	2,966	94 55 18.3	8,708	259
15375	Monoceros....	6	42 55.16	2,966	94 55 17.9	8,708	265
15376	Gemini	8½	42 55.39	3,912	55 1 44.8	8,709	317
15377	Gemini	9	42 55.91	3,912	55 1 51.7	8,710	220
15378	Lynx	8½	42 57.70	4,604	38 7 55.8	8,712	564
15379	Monoceros....	8½	42 58.05	3,097	88 40 39.1	8,712	263
15380	Cancer	8½	42 58.31	3,372	75 54 33.8	8,714	216
15381	Cancer	8	42 59.79	3,368	76 4 7.9	8,715	216
15382	Puppis	6	43 0.57	2,615	110 40 25.1	8,716	283
15383	Puppis	7	43 2.73	2,626	110 12 58.7	8,718	283
15384	Gemini	7½	43 3.34	3,909	55 7 4.8	8,720	317
15385	Gemini	8	43 3.37	3,909	55 6 59.8	8,720	220
15386	Gemini	8	43 3.46	3,909	55 6 59.4	8,720	213
15387	Gemini	8	43 3.53	3,909	55 7 1.3	8,720	274
15388	Puppis	6	43 6.69	2,762	104 20 27.8	8,724	278
15389	Puppis	7	43 10.63	2,784	103 21 7.8	8,730	271
15390	Puppis	7	43 10.86	2,784	103 21 10.2	8,730	278
15391	Puppis	8½	43 11.70	2,695	107 16 31.2	8,730	280
15392	Puppis	8	43 11.86	2,695	107 16 42.5	8,730	282
15393	Canis Minor ..	9	43 13.22	3,194	84 5 0.0	8,732	261
15394	Gemini	8½	43 13.87	3,502	70 13 43.2	8,734	254
15395	Gemini	8	43 15.61	3,475	71 23 18.7	8,736	255
15396	Lynx	9	43 20.30	4,544	39 13 22.7	8,741	564
15397	Cancer	9	43 20.60	3,414	74 3 14.0	8,742	51
15398	Gemini	9	43 23.06	3,472	71 31 54.8	8,746	255
15399	Puppis	8	43 25.23	2,690	107 30 46.9	8,748	282
15400	Puppis	8	7 43 25.71	+2,690	107 30 36.6	+8,749	280

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15401	Gemini	8½	7 43 27.81	+3,628	65° 7' 27.6	+8,752	214
15402	Lynx	8½	43 31.00	3,990	52 35 12.9	8,756	55
15403	Lynx	8	43 31.26	3,978	52 56 18.1	8,756	55
15404	Monoceros....	9	43 34.55	3,087	89 9 27.2	8,760	263
15405	Lynx	9	43 35.97	4,358	43 2 32.9	8,762	377
15406	Puppis	8	43 38.66	2,833	101 6 59.5	8,766	269
15407	Gemini	8½	43 38.83	3,715	61 47 25.8	8,766	144
15408	Gemini	9	43 40.73	3,774	59 38 3.5	8,768	53
15409	Gemini	7½	43 42.37	3,827	57 47 20.4	8,770	319
15410	Gemini	8	43 43.73	3,774	59 38 3.3	8,772	53
15411	Puppis	8	43 44.07	2,780	103 33 3.4	8,772	278
15412	Gemini	9	43 44.64	3,624	65 15 32.9	8,774	214
15413	Canis Minor ..	8½	43 48.92	3,197	83 58 42.9	8,778	261
15414	Cancer	8	43 53.88	3,349	76 55 10.2	8,786	216
15415	Gemini	8½	43 54.92	3,905	55 11 41.1	8,786	317
15416	Gemini	9	43 55.36	3,905	55 11 39.5	8,788	274
15417	Gemini	6	43 57.98	3,517	69 35 57.7	8,790	273
15418	Gemini	6	43 58.50	3,517	69 36 0.8	8,792	254
15419	Monoceros....	8	44 2.01	3,006	93 1 59.7	8,796	275
15420	Monoceros....	9	44 4.29	2,885	98 42 40.0	8,799	267
15421	Lynx	6½	44 10.89	4,250	45 30 11.6	8,808	54
15422	Lynx	7½	44 11.87	4,459	40 51 37.8	8,808	383
15423	Canis Minor ..	8½	44 12.04	3,113	87 54 41.0	8,808	263
15424	Gemini	9	44 12.43	3,504	70 7 6.4	8,810	254
15425	Puppis	8½	44 16.06	2,820	101 45 6.6	8,814	271
15426	Canis Minor ..	7½	44 16.31	3,279	80 8 10.2	8,814	211
15427	Lynx	8	44 19.11	4,546	39 8 0.3	8,818	383
15428	Lynx	7½	44 20.22	4,546	39 7 52.6	8,820	564
15429	Monoceros....	8	44 21.30	2,883	98 48 38.4	8,821	267
15430	Monoceros....	8	44 28.02	3,051	90 53 49.1	8,831	51
15431	Monoceros....	7½	44 29.29	3,022	92 16 59.1	8,833	275
15432	Monoceros....	9	44 30.77	3,018	92 26 40.5	8,835	275
15433	Monoceros....	8	44 31.57	2,857	100 2 55.0	8,835	269
15434	Monoceros....	9	44 32.55	3,098	88 39 56.5	8,837	263
15435	Lynx	7½	44 34.26	4,230	45 58 24.1	8,839	54
15436	Puppis	8	44 34.67	2,530	114 11 51.7	8,839	468
15437	Gemini	8	44 35.93	3,671	63 22 33.7	8,841	144
15438	Puppis	8½	44 37.49	2,718	106 20 27.7	8,843	280
15439	Canis Minor ..	8	44 38.34	3,272	80 25 47.8	8,843	211
15440	Canis Minor ..	6	7 44 38.72	+3,268	80 37 4.1	+8,845	211

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15441	Gemini	7½	7 44 45.59	+3,854	56 49 22.2	+8,853	213
15442	Gemini	7	44 45.90	3,854	56 49 21.0	8,853	274
15443	Canis Minor ..	7	44 48.32	3,302	79 2 23.9	8,857	312
15444	Canis Minor ..	7½	44 48.55	3,302	79 2 27.3	8,857	217
15445	Cancer	9	44 53.80	3,373	75 49 21.2	8,863	216
15446	Monoceros....	9	44 54.39	2,905	97 50 9.5	8,865	267
15447	Canis Minor ..	-	44 58.49	3,186	84 28 20.0	8,869	261
15448	Puppis	7½	45 5.20	2,565	112 48 8.8	8,878	285
15449	Lynx	9	45 5.46	4,284	44 37 41.4	8,879	384
15450	Puppis	7	45 6.23	2,569	112 40 31.9	8,879	285
15451	Gemini	8	45 9.40	3,862	56 32 11.1	8,883	213
15452	Gemini	8	45 9.69	3,862	56 32 9.9	8,883	274
15453	Puppis	7½	45 9.78	2,684	107 49 4.3	8,884	282
15454	Puppis	8	45 11.44	2,689	107 37 3.1	8,887	282
15455	Monoceros....	8	45 13.88	2,985	94 3 13.6	8,889	259
15456	Lynx	9	45 14.35	4,363	42 51 6.8	8,890	377
15457	Lynx	8	45 17.25	3,923	54 32 13.6	8,894	317
15458	Canis Minor ..	8	45 19.14	3,311	78 37 1.9	8,898	217
15459	Gemini	7½	45 19.66	3,542	68 30 47.9	8,898	273
15460	Gemini	8½	45 20.91	3,789	59 0 38.6	8,900	319
15461	Gemini	8½	45 22.49	3,707	61 59 8.7	8,901	144
15462	Canis Minor ..	8½	45 22.62	3,228	82 29 20.9	8,902	44
15463	Monoceros....	8	45 26.68	3,035	91 40 22.0	8,906	275
15464	Canis Minor ..	8½	45 27.16	3,231	82 19 10.7	8,908	44
15465	Monoceros....	8½	45 30.59	2,983	94 9 28.9	8,913	259
15466	Canis Minor ..	8½	45 31.67	3,313	78 31 11.8	8,915	217
15467	Canis Minor ..	8½	45 31.77	3,315	78 26 5.2	8,915	312
15468	Cancer	7	45 37.49	3,420	73 41 9.8	8,921	51
15469	Puppis	9	45 38.26	2,798	102 45 56.0	8,923	271
15470	Puppis	8½	45 41.06	2,687	107 44 22.0	8,927	282
15471	Canis Minor ..	9	45 46.20	3,317	78 20 54.7	8,933	217
15472	Puppis	7½	45 48.12	2,845	100 38 3.4	8,935	269
15473	Canis Minor ..	8	45 49.51	3,170	85 13 38.0	8,937	257
15474	Canis Minor ..	8	45 49.71	3,170	85 13 32.5	8,937	261
15475	Canis Minor ..	6½	45 49.85	3,175	84 59 35.1	8,937	261
15476	Canis Minor ..	6	45 50.01	3,175	84 59 40.5	8,937	257
15477	Canis Minor ..	8	45 53.59	3,263	80 50 2.8	8,941	211
15478	Gemini	9½	45 54.80	3,889	55 35 41.6	8,943	213
15479	Puppis	9	45 55.87	2,691	107 33 21.8	8,945	282
15480	Canis Minor ..	8½	7 45 56.85	+3,177	84 53 14.9	+8,947	261

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15481	Canis Minor ..	8	7	45	58.21	+3,235	82	7	14.5	+8,947	44
15482	Cancer	9		45	58.79	3,473	71	22	25.1	8,950	254
15483	Cancer	9		46	0.12	3,367	76	3	55.8	8,951	216
15484	Monoceros....	7½		46	1.34	2,856	100	8	33.7	8,952	269
15485	Canis Minor ..	9		46	5.07	3,313	78	29	38.0	8,958	217
15486	Monoceros....	8½		46	5.25	2,944	96	0	21.7	8,958	265
15487	Canis Minor ..	9		46	6.01	3,129	87	9	24.9	8,958	263
15488	Cancer	8		46	7.58	3,363	76	12	26.0	8,960	216
15489	Monoceros....	9		46	10.38	3,009	92	55	5.9	8,964	275
15490	Cancer	8½		46	12.08	3,362	76	16	12.1	8,966	216
15491	Camelopardus .	6½		46	13.11	4,970	32	11	25.8	8,968	381
15492	Monoceros....	9½		46	15.90	2,946	95	54	42.6	8,973	265
15493	Gemini	8½		46	17.67	3,889	55	35	56.6	8,974	213
15494	Gemini	8		46	18.13	3,889	55	35	55.3	8,974	274
15495	Puppis	8½		46	19.68	2,542	113	47	22.3	8,976	468
15496	Lynx	8½		46	20.61	3,992	52	22	8.0	8,978	55
15497	Lynx	9		46	23.86	4,145	48	2	53.1	8,982	215
15498	Puppis	7½		46	23.99	2,789	103	12	50.0	8,982	271
15499	Canis Minor ..	6		46	24.02	3,259	81	0	12.2	8,982	211
15500	Lynx	8		46	25.69	3,913	54	47	30.5	8,984	220
15501	Lynx	7½		46	25.94	3,913	54	47	31.9	8,984	317
15502	Monoceros....	9		46	27.07	2,855	100	9	11.9	8,986	269
15503	Puppis	7½		46	27.34	2,563	112	56	52.7	8,986	285
15504	Puppis	7		46	27.65	2,748	105	3	21.0	8,986	278
15505	Puppis	7½		46	27.69	2,748	105	3	24.4	8,986	280
15506	Puppis	9½		46	33.04	2,790	103	8	57.9	8,993	271
15507	Gemini	8½		46	34.01	3,795	58	45	9.6	8,995	319
15508	Puppis	7		46	34.77	2,669	108	31	43.2	8,996	283
15509	Canis Minor ..	8		46	36.17	3,142	86	31	36.5	8,997	257
15510	Lynx	9		46	36.95	4,121	48	40	35.6	8,999	215
15511	Monoceros....	8½		46	39.42	2,913	97	28	11.8	9,001	268
15512	Monoceros....	9		46	40.56	3,064	90	17	6.9	9,003	51
15513	Canis Minor ..	9		46	42.09	3,224	82	37	24.8	9,005	44
15514	Puppis	8½		46	42.37	2,668	108	34	44.4	9,005	283
15515	Lynx	7		46	43.61	3,958	53	23	21.1	9,007	55
15516	Lynx	6		46	44.29	3,957	53	23	22.8	9,008	317
15517*	Lynx	7½		46	44.42	3,957	53	23	19.6	9,009	220
15518	Cancer	9		46	50.10	3,733	60	58	21.1	9,016	53
15519	Monoceros....	8½		46	50.22	2,953	95	34	16.7	9,016	265
15520	Gemini	9	7	46	51.13	+3,852	56	46	33.8	+9,018	213

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15521	Monoceros....	8	7 46 53.43	+3,009	92 55 46.1	+9,020	275
15522	Monoceros....	7	• 46 58.42	3,104	88 20 59.5	9,026	263
15523	Cancer	9½	46 59.93	3,712	61 43 33.2	9,028	144
15524	Cancer	8	47 0.09	3,364	76 8 30.2	9,028	216
15525	Cancer	6	47 5.73	3,436	72 57 17.6	9,036	255
15526	Cancer	7½	47 5.91	3,436	72 57 13.6	9,036	51
15527	Puppis	8	47 6.11	2,550	113 32 12.5	9,036	469
15528	Gemini	8½	47 7.62	3,544	68 19 8.4	9,038	211
15529	Monoceros....	8	47 13.34	3,067	90 6 36.7	9,046	51
15530	Monoceros....	9	47 15.40	2,852	100 20 15.7	9,048	269
15531	Canis Minor ..	9	47 18.29	3,175	84 57 22.5	9,053	261
15532	Canis Minor ..	7	47 20.68	3,232	82 15 34.5	9,055	44
15533	Puppis	7	47 22.08	2,750	105 0 1.8	9,057	278
15534	Puppis	8½	47 22.39	2,548	113 36 50.4	9,057	469
15535	Lynx	8	47 22.50	4,087	49 33 25.2	9,058	5
15536	Gemini	8	47 23.70	3,819	57 52 37.9	9,059	319
15537	Monoceros....	8	47 23.96	3,019	92 25 15.1	9,059	275
15538	Puppis	9	47 26.12	2,549	113 35 7.1	9,063	469
15539	Monoceros....	9	47 28.53	3,087	89 10 36.2	9,065	263
15540	Puppis	8½	47 33.23	2,725	106 6 13.2	9,071	280
15541	Puppis	7½	47 34.19	2,637	109 56 23.0	9,074	283
15542	Puppis	7½	47 35.35	2,728	106 0 17.7	9,074	280
15543	Monoceros....	8	47 36.54	2,917	97 16 28.3	9,076	268
15544	Cancer	9	47 39.93	3,337	77 21 1.0	9,080	217
15545	Lynx	8½	47 43.86	4,120	48 36 31.9	9,086	215
15546	Puppis	8½	47 45.88	2,674	108 22 36.4	9,088	282
15547	Cancer	8	47 46.02	3,537	68 35 39.9	9,088	211
15548	Cancer	7½	47 46.51	3,593	66 17 8.0	9,088	214
15549	Monoceros....	9	47 47.56	3,064	90 17 18.4	9,090	51
15550	Lynx	8	47 50.26	4,140	48 4 28.5	9,095	215
15551	Cancer	9	47 51.28	3,591	66 32 53.1	9,095	214
15552	Puppis	9	47 51.49	2,623	110 32 47.2	9,095	283
15553	Cancer	8	47 51.97	3,442	72 38 59.1	9,097	255
15554	Monoceros....	9	47 54.57	2,854	100 14 37.5	9,099	269
15555	Puppis	8	47 54.58	2,576	112 28 48.8	9,099	285
15556	Canis Minor ..	5½	47 58.18	3,127	87 15 8.1	9,105	257
15557*	Monoceros....	6	48 0.03	2,918	97 15 36.8	9,107	265
15558	Puppis	9	48 1.08	2,773	103 59 32.4	9,107	278
15559	Canis Minor ..	8	48 1.44	3,258	81 1 6.8	9,109	211
15560	Puppis	8	7 48 1.88	+2,771	104 4 37.9	+9,109	278

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15561	Canis Minor ..	8½	7 48 2.12	+3,258	81 1 2.4	+9,109	44
15562	Canis Minor ..	7½	48 2.74	3,142	86 32 6.9	9,109	257
15563	Canis Minor ..	9	48 5.95	3,259	80 56 57.7	9,113	211
15564	Canis Minor ..	7	48 6.76	3,198	83 50 49.2	9,116	261
15565	Cancer	8	48 7.43	3,752	60 11 17.0	9,116	53
15566	Cancer	8	48 10.72	3,375	75 38 20.0	9,120	216
15567	Lynx	8	48 13.44	4,242	45 26 28.4	9,124	54
15568	Lynx	8	48 14.00	4,067	50 2 53.4	9,125	55
15569	Puppis	4	48 15.66	2,580	112 21 16.7	9,127	285
15570	Cancer	7	48 24.38	3,361	76 13 30.7	9,139	216
15571	Cancer .....	.	48 28.98	3,356	76 28 57.0	9,145	216
15572	Puppis	9	48 29.77	2,831	101 19 57.0	9,145	271
15573	Monoceros....	8	48 29.94	3,005	93 6 27.0	9,145	259
15574	Puppis	9	48 30.88	2,771	104 4 43.0	9,147	278
15575	Monoceros....	8	48 34.06	2,852	100 21 18.1	9,152	269
15576	Monoceros....	8½	48 34.22	2,947	95 52 33.0	9,152	265
15577	Monoceros....	8	48 34.98	3,000	93 20 23.6	9,152	259
15578	Canis Minor ..	7½	48 35.74	3,190	84 12 59.5	9,154	261
15579	Camelopardus .	8	48 43.72	4,998	31 40 37.9	9,164	381
15580	Puppis	8	48 44.41	2,669	108 36 43.2	9,164	282
15581	Cancer.... ω¹	6	48 48.23	3,648	64 4 14.7	9,171	146
15582	Lynx	6½	48 52.85	3,932	54 2 54.8	9,175	220
15583	Puppis	8	48 52.87	2,771	104 6 47.1	9,175	278
15584	Lynx	6½	48 53.33	3,932	54 2 57.6	9,177	317
15585	Cancer	7	48 56.64	3,488	70 37 16.9	9,180	219
15586	Puppis	8½	48 56.72	2,541	113 59 29.8	9,181	469
15587	Cancer	7	48 57.36	3,511	69 37 13.8	9,181	254
15588	Cancer	9½	48 58.07	3,760	59 51 57.1	9,183	53
15589	Lynx .....	.	48 59.41	4,445	40 50 15.0	9,183	383
15590	Cancer	6½	49 3.38	3,602	65 52 44.0	9,189	214
15591	Canis Minor ..	9	49 4.20	3,206	83 27 15.6	9,189	44
15592	Cancer	8	49 4.42	3,832	57 18 46.7	9,189	319
15593	Puppis	8	49 5.99	2,639	109 54 1.8	9,192	283
15594	Puppis	8½	49 6.94	2,666	108 44 18.0	9,194	282
15595	Cancer	7	49 7.30	3,511	69 38 53.0	9,194	254
15596	Cancer	7½	49 8.31	3,474	71 13 2.8	9,196	254
15597	Cancer	7	49 8.43	3,474	71 13 9.6	9,196	219
15598	Cancer	9	49 8.76	3,536	68 25 29.1	9,196	211
15599	Cancer	8	49 15.44	3,338	77 15 7.4	9,204	217
15600	Cancer	9½	7 49 16.12	+3,323	77 58 6.3	+9,206	217

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15601	Cancer	9	7 49 18.17	+3,436	72 52 30.8	+9,208	255
15602	Cancer	6	49 18.86	3,452	72 9 16.9	9,208	255
15603	Puppis	8	49 26.48	2,661	108 58 42.7	9,219	282
15604	Puppis	9	49 27.37	2,636	110 4 11.3	9,220	283
15605	Monoceros....	9	49 27.68	2,902	98 0 47.2	9,221	268
15606	Cancer	7	49 28.37	3,348	76 49 16.8	9,221	216
15607	Cancer	9	49 29.10	3,733	60 49 36.1	9,223	53
15608	Cancer	8	49 30.66	3,610	65 32 53.8	9,224	214
15609	Puppis	9	49 31.07	2,839	100 58 54.6	9,226	269
15610	Lynx	8½	49 37.36	4,561	38 31 7.6	9,233	564
15611	Cancer.... ω ³	6½	49 38.38	3,639	64 22 18.4	9,235	146
15612	Puppis	8½	49 39.72	2,578	112 28 46.2	9,237	285
15613	Cancer.... ω ²	6	49 40.06	3,639	64 22 22.9	9,237	286
15614	Cancer	7½	49 40.98	3,348	76 47 6.8	9,239	216
15615	Puppis	9	49 41.07	2,833	101 16 3.6	9,239	269
15616	Lynx	9	49 41.20	4,411	41 30 20.1	9,239	377
15617	Puppis	9	49 42.47	2,663	108 54 29.3	9,241	282
15618	Cancer	9	49 42.78	3,477	71 4 19.7	9,241	219
15619	Monoceros....	5	49 44.28	3,004	93 8 36.3	9,243	275
15620	Monoceros....	5	49 44.68	3,004	93 8 39.3	9,243	259
15621	Monoceros....	9	49 46.11	2,943	96 5 36.0	9,245	265
15622	Lynx	7½	49 47.90	4,523	39 12 57.3	9,247	564
15623	Cancer	9	49 48.01	3,306	78 45 33.5	9,247	217
15624	Puppis	8	49 51.32	2,718	106 31 21.0	9,251	280
15625	Lynx	9	49 51.86	4,331	43 14 25.4	9,251	384
15626	Monoceros....	9½	49 55.79	2,929	96 45 42.9	9,258	265
15627	Lynx	7½	49 57.49	4,231	45 36 57.3	9,260	54
15628	Cancer	8	49 58.43	3,679	62 49 8.3	9,260	144
15629	Cancer	9	50 1.45	3,832	57 16 12.7	9,264	319
15630	Cancer	7	50 4.53	3,410	74 0 17.3	9,268	51
15631	Cancer	6½	50 5.20	3,432	73 0 14.0	9,269	255
15632	Monoceros....	8½	50 8.26	2,891	98 34 19.2	9,272	268
15633	Monoceros....	8	50 9.98	3,079	89 31 39.9	9,274	51
15634	Puppis	8½	50 11.77	2,723	106 18 35.9	9,278	280
15635	Puppis	8½	50 11.95	2,666	108 48 0.7	9,279	282
15636	Puppis	8½	50 12.58	2,726	106 8 51.1	9,279	280
15637	Lynx	7	50 14.12	3,985	52 19 0.9	9,281	55
15638	Canis Minor ..	9	50 14.37	3,185	84 6 6.3	9,283	261
15639	Lynx	9	50 16.51	4,174	47 1 53.4	9,283	54
15640	Monoceros....	9½	7 50 18.01	+2,928	96 48 46.1	+9,285	265

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15641	Puppis	9	7 50 19.33	+2,642	109 48 56.6	+9,287	283
15642	Canis Minor ..	8½	50 21.70	3,148	86 12 48.8	9,292	257
15643	Puppis	8	50 22.83	2,811	102 19 48.6	9,292	271
15644	Canis Minor ..	8	50 23.42	3,256	81 4 48.6	9,292	211
15645	Canis Minor ..	9	50 24.09	3,256	81 4 53.8	9,294	44
15646	Cancer	6½	50 25.21	3,507	69 43 17.5	9,295	219
15647	Cancer	8	50 25.27	3,508	69 43 14.2	9,296	254
15648	Puppis	7½	50 28.17	2,663	108 55 46.6	9,299	282
15649	Puppis	8	50 30.36	2,789	103 18 42.8	9,303	278
15650	Lynx	9	50 30.92	4,407	41 32 42.8	9,303	377
15651	Puppis	6	50 31.15	2,572	112 46 28.9	9,303	285
15652	Puppis	6	50 31.34	2,572	112 46 28.4	9,303	469
15653	Lynx	7	50 31.98	3,959	53 ■ 30.6	9,305	55
15654	Lynx	8	50 32.51	3,959	53 ■ 25.6	9,305	220
15655	Lynx	7	50 32.58	3,959	53 6 37.9	9,305	317
15656	Monoceros....	8	50 33.01	2,980	94 20 26.5	9,305	259
15657	Canis Minor ..	•	50 38.74	3,182	84 34 51.6	9,313	261
15658	Cancer	9	50 39.26	3,631	64 38 43.0	9,313	146
15659	Monoceros....	7	50 40.30	3,021	92 20 30.7	9,315	275
15660	Cancer	9	50 43.79	3,558	67 35 7.9	9,320	211
15661	Monoceros....	9½	50 46.96	2,891	98 33 56.3	9,323	268
15662	Monoceros....	8½	50 50.50	2,982	94 13 11.3	9,328	259
15663	Lynx	8½	50 50.66	3,929	54 1 58.9	9,328	317
15664	Cancer	9	50 50.84	3,635	64 28 23.9	9,328	146
15665	Cancer	8	50 53.28	3,712	61 31 28.4	9,331	53
15666	Monoceros....	9	50 54.08	2,934	96 33 5.5	9,333	265
15667	Canis Minor ..	7	50 58.44	3,267	80 32 43.0	9,340	211
15668	Puppis	9	50 58.86	2,790	103 18 5.0	9,340	278
15669	Puppis	9	51 0.37	2,641	109 54 36.4	9,342	283
15670	Monoceros....	•	51 2.18	3,052	90 50 50.2	9,344	51
15671	Monoceros....	5	51 2.39	3,052	90 50 49.4	9,344	275
15672	Puppis	7½	51 6.31	2,721	106 24 46.8	9,348	280
15673	Cancer	7½	51 7.90	3,668	63 11 3.1	9,350	144
15674	Lynx	7	51 10.96	4,073	49 42 32.2	9,354	55
15675	Canis Minor ..	8	51 11.31	3,189	84 15 20.2	9,354	261
15676	Cancer	5	51 12.72	3,708	61 39 26.6	9,356	53
15677	Cancer	5½	51 12.91	3,708	61 39 30.6	9,356	144
15678	Cancer	8½	51 14.65	3,419	73 32 25.4	9,358	52
15679	Cancer	7½	51 20.86	3,855	56 25 17.8	9,367	213
15680	Canis Minor ..	7½	7 51 21.71	+3,175	84 54 55.3	+9,369	261

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15681	Cancer	8	7 51 24.36	+3,397	74 30 17.6	+9,371	51
15682	Puppis	8	51 25.81	2,720	106 29 23.2	9,374	280
15683	Cancer	8	51 25.81	3,343	77 0 12.7	9,374	216
15684	Cancer	9	51 27.03	3,338	77 12 12.9	9,376	216
15685	Puppis	8	51 28.65	2,572	112 48 44.7	9,377	285
15686	Puppis	8	51 35.37	2,650	109 32 7.8	9,386	283
15687	Cancer	8½	51 35.99	3,873	55 47 21.4	9,387	213
15688	Lynx	8½	51 39.00	3,909	54 36 32.4	9,391	317
15689	Canis Minor ..	9½	51 40.03	3,218	82 51 48.7	9,391	44
15690	Lynx	9	51 41.24	4,143	47 45 48.4	9,393	215
15691	Cancer	9	51 43.51	3,306	78 40 0.0	9,397	217
15692	Puppis	7½	51 45.41	2,784	103 35 41.5	9,399	278
15693	Lynx	8½	51 45.87	4,124	48 15 31.8	9,399	219
15694	Cancer	8	51 47.94	3,353	76 30 32.2	9,401	216
15695	Canis Minor ..	4	51 51.45	3,129	87 7 34.9	9,406	257
15696	Canis Minor ..	4	51 51.47	3,129	87 7 35.2	9,406	263
15697	Cancer	7½	51 51.80	3,520	69 6 43.8	9,406	254
15698	Canis Minor ..	8	51 52.19	3,167	85 17 49.0	9,408	261
15699	Cancer .....	.	51 55.46	3,270	80 22 28.0	9,412	211
15700	Monoceros....	9	51 57.63	3,034	91 44 14.6	9,414	275
15701	Lynx	9	51 58.56	4,611	37 27 17.5	9,415	564
15702	Cancer	7	52 0.93	3,562	67 22 49.0	9,419	211
15703	Cancer	8	52 1.06	3,440	72 36 2.0	9,419	255
15704	Cancer	7½	52 1.30	3,562	67 22 50.3	9,419	214
15705	Puppis	9	52 1.47	2,664	108 56 12.0	9,419	282
15706	Monoceros....	8	52 4.74	2,903	98 2 54.0	9,423	268
15707	Cancer	9	52 7.22	3,622	64 56 33.8	9,428	146
15708	Monoceros....	9	52 8.37	2,911	97 40 6.8	9,428	268
15709	Cancer	8	52 12.74	3,553	67 42 47.3	9,434	211
15710	Cancer	8½	52 18.08	3,318	78 6 12.4	9,441	217
15711	Puppis	8	52 24.48	2,771	104 12 59.5	9,450	278
15712	Cancer	7½	52 24.50	3,336	77 16 3.3	9,450	216
15713	Cancer	9	52 26.27	3,701	61 50 41.9	9,452	144
15714	Canis Minor ..	9½	52 30.54	3,254	81 7 54.3	9,456	211
15715	Cancer	9	52 31.05	3,435	72 48 18.4	9,458	255
15716	Monoceros....	8	52 33.65	3,032	91 50 57.1	9,461	275
15717	Monoceros....	6	52 36.15	2,950	95 47 23.7	9,464	265
15718	Lynx	9	52 36.83	4,152	47 27 32.6	9,464	215
15719	Puppis	8	52 36.87	2,684	108 5 44.9	9,464	282
15720	Puppis	7½	7 52 38.53	+2,598	111 47 32.3	+9,466	285

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15721	Puppis	8½	7 52 41.61	+2,598	111 47 25.6	+9.471	285
15722	Cancer	9	52 42.52	3,616	65 7 11.3	9.473	146
15723	Puppis	9	52 44.35	2,814	102 14 40.7	9.475	271
15724	Lynx	8½	52 46.74	4,350	42 37 13.7	9.477	377
15725	Puppis	7	52 48.73	2,523	114 52 7.9	9.479	469
15726	Lynx	9	52 53.77	3,899	54 51 7.8	9.486	317
15727	Lynx	7	52 55.32	3,952	53 10 8.7	9.488	55
15728	Puppis	8	52 55.51	2,535	114 24 24.7	9.488	469
15729	Lynx	7½	52 56.17	3,952	53 10 11.4	9.491	220
15730	Cancer	9	52 56.66	3,598	65 49 49.1	9.491	214
15731	Monoceros....	7	52 56.86	2,945	95 46 27.8	9.491	265
15732	Puppis	8	52 59.17	2,627	110 36 49.3	9.493	283
15733	Lynx	9½	53 7.34	4,043	50 25 6.7	9.504	55
15734	Canis Minor ..	8	53 10.48	3,212	83 7 23.9	9.508	44
15735	Cancer	6	53 10.59	3,484	70 36 13.2	9.508	219
15736	Cancer	6½	53 10.93	3,484	70 36 16.0	9.508	254
15737	Canis Minor ..	7½	53 10.93	3,212	83 7 27.8	9.509	261
15738	Canis Minor ..	8½	53 12.18	3,252	81 10 40.6	9.510	211
15739	Cancer	8½	53 12.35	3,834	57 1 4.8	9.510	213
15740	Cancer	8	53 12.73	3,834	57 1 7.9	9.510	319
15741	Cancer	8½	53 12.84	3,834	57 1 12.0	9.510	274
15742	Lynx	6½	53 15.73	4,199	46 10 47.2	9.515	54
15743	Cancer	8½	53 15.74	3,338	77 9 3.4	9.515	216
15744	Cancer	8	53 17.05	3,304	78 45 28.6	9.517	217
15745	Cancer	8½	53 17.71	3,360	76 1 55.1	9.517	216
15746	Cancer	7	53 20.55	3,698	61 54 47.6	9.521	144
15747	Lynx	5	53 21.06	4,580	37 55 56.8	9.522	564
15748	Canis Minor ..	8	53 26.18	3,151	86 2 54.2	9.528	257
15749	Cancer	9	53 26.94	3,612	65 15 4.6	9.530	146
15750	Monoceros....	9	53 27.40	3,010	92 55 4.7	9.530	275
15751	Cancer	9½	53 32.37	3,523	68 56 1.0	9.537	211
15752	Camelopardus .	6½	53 33.24	5,014	31 10 58.3	9.537	381
15753	Puppis	8	53 39.14	2,647	109 46 10.0	9.545	283
15754	Lynx	9	53 41.81	4,451	40 24 56.6	9.548	383
15755	Puppis	9½	53 42.72	2,729	106 9 35.0	9.550	280
15756	Lynx	8½	53 43.55	4,353	42 29 50.1	9.550	377
15757	Cancer	8	53 46.13	3,277	79 58 48.1	9.554	211
15758	Monoceros....	7½	53 50.02	2,912	97 37 24.1	9.559	268
15759	Cancer	8	53 52.37	3,456	71 49 20.6	9.561	255
15760	Puppis	8	7 53 55.12	+2,600	111 47 53.1	+9.566	285

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15761	Cancer	6	7 53 55.49	+3,356	76 19 22.5	+9,566	216
15762	Lynx	9	53 58.45	3,903	54 39 51.7	9,570	220
15763	Lynx	8	53 59.13	3,903	54 39 54.7	9,570	317
15764	Cancer	8½	54 1.06	3,644	63 56 57.6	9,572	146
15765	Lynx	8	54 1.15	4,567	38 7 9.0	9,573	564
15766	Cancer	7½	54 2.48	3,299	78 56 40.9	9,574	217
15767	Puppis	9	54 5.60	2,644	109 55 31.4	9,579	283
15768	Monoceros....	8½	54 6.11	3,043	91 17 49.7	9,579	51
15769	Canis Minor ..	7½	54 6.94	3,209	83 15 31.3	9,581	261
15770	Canis Minor ..	8	54 7.35	3,209	83 15 29.7	9,581	44
15771	Monoceros....	8	54 7.52	3,101	88 29 2.6	9,581	263
15772	Puppis	7½	54 7.54	2,535	114 29 3.7	9,581	469
15773	Lynx	9	54 10.13	4,070	49 35 47.1	9,585	55
15774	Monoceros....	9	54 10.38	3,011	92 50 4.6	9,585	275
15775	Puppis	9	54 13.72	2,730	106 7 52.1	9,590	280
15776	Monoceros....	8	54 13.99	2,982	94 16 21.3	9,590	259
15777	Monoceros....	8½	54 18.59	3,048	91 2 24.3	9,596	51
15778	Monoceros....	9	54 18.91	3,008	92 59 29.0	9,596	276
15779	Canis Minor ..	8	54 19.49	3,166	85 18 13.2	9,596	257
15780	Puppis	8	54 20.81	2,687	108 2 0.1	9,598	282
15781	Cancer	8½	54 20.82	3,832	57 1 29.2	9,598	213
15782	Cancer	8½	54 20.85	3,832	57 1 26.2	9,598	274
15783	Cancer	7½	54 21.22	3,832	57 1 31.1	9,598	319
15784	Cancer	7½	54 22.09	3,364	75 56 19.3	9,601	216
15785	Canis Minor ..	8½	54 24.50	3,164	85 24 48.4	9,603	257
15786	Cancer.... μ¹	6	54 26.29	3,573	66 48 15.5	9,605	214
15787	Cancer	8½	54 30.25	3,856	56 11 28.6	9,612	213
15788	Cancer	9½	54 35.87	3,250	81 14 30.1	9,618	311
15789	Puppis	8	54 38.84	2,546	114 2 55.9	9,623	469
15790	Canis Minor ..	8½	54 40.88	3,192	84 1 24.6	9,625	261
15791	Cancer	9	54 41.33	3,559	67 21 50.7	9,625	211
15792	Lynx	8	54 42.40	3,948	53 11 35.5	9,626	55
15793	Lynx	8	54 43.10	3,948	53 11 43.9	9,627	220
15794	Canis Minor ..	8	54 44.86	3,201	83 36 49.6	9,629	45
15795	Cancer	8	54 45.07	3,568	66 58 50.8	9,629	214
15796	Canis Minor ..	7	54 45.41	3,201	83 36 51.9	9,629	261
15797	Monoceros....	9	54 49.63	2,868	99 45 59.7	9,636	269
15798	Puppis	8½	54 49.74	2,738	105 47 8.3	9,636	280
15799	Cancer	8½	54 50.47	3,404	74 5 36.6	9,638	52
15800	Cancer	8	7 54 52.38	+3,251	81 11 27.2	+9,638	211

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15801	Cancer	9½	7 54 53.55	+3,724	60 50 47.2	+9,640	144
15802	Puppis	9	54 54.37	2,638	110 13 27.8	9,640	283
15803	Lynx	9½	54 56.72	4,069	49 34 16.8	9,644	55
15804	Monoceros....	7	54 57.38	3,009	92 56 19.1	9,645	276
15805	Monoceros....	7½	54 57.59	3,009	92 56 19.0	9,645	259
15806	Monoceros....	9	54 58.82	2,933	96 38 36.7	9,647	265
15807	Cancer	9	55 1.00	3,781	58 44 58.9	9,649	53
15808	Cancer	8	55 2.29	3,806	57 52 58.9	9,651	319
15809	Cancer	9	55 3.93	3,575	66 39 40.5	9,654	214
15810	Lynx	8	55 6.52	4,000	51 33 57.5	9,656	55
15811	Lynx	7½	55 7.64	3,878	55 24 2.1	9,658	274
15812	Lynx	8½	55 8.37	4,298	43 39 51.2	9,658	384
15813	Lynx	9½	55 11.17	4,415	41 3 15.2	9,663	383
15814	Monoceros....	8	55 16.02	3,095	88 44 51.3	9,670	263
15815	Puppis	9	55 16.51	2,564	113 20 0.0	9,670	469
15816	Puppis	8	55 19.06	2,624	110 49 12.5	9,673	285
15817	Cancer	8½	55 19.72	3,774	58 59 37.9	9,674	319
15818	Cancer	9	55 19.89	3,774	58 59 35.3	9,674	53
15819	Monoceros....	8½	55 23.23	2,898	98 19 51.7	9,679	268
15820	Canis Minor ..	7	55 23.48	3,125	87 16 23.4	9,679	263
15821	Monoceros....	8	55 26.98	3,099	88 35 4.0	9,683	263
15822	Lynx	8	55 27.08	3,878	55 23 58.7	9,683	220
15823	Lynx	8	55 27.28	3,878	55 24 1.3	9,683	213
15824	Hydra	7½	55 29.19	3,195	83 52 47.6	9,685	261
15825	Lynx	7½	55 30.78	4,608	37 17 3.0	9,688	564
15826	Puppis	9	55 31.05	2,747	105 24 36.5	9,688	280
15827	Puppis	8	55 33.95	2,791	103 23 12.4	9,692	278
15828	Puppis	8	55 35.17	2,680	108 25 27.6	9,694	282
15829	Puppis	9	55 35.19	2,661	109 13 10.6	9,694	282
15830	Puppis	8½	55 35.94	2,624	110 51 18.7	9,694	283
15831	Lynx	6	55 36.24	4,162	46 59 46.9	9,695	54
15832	Monoceros....	7	55 36.56	3,069	90 0 47.6	9,696	51
15833	Monoceros....	9	55 38.52	2,978	94 29 4.1	9,699	259
15834	Cancer	9	55 39.41	3,399	74 16 50.2	9,699	52
15835	Monoceros....	9	55 43.48	2,986	94 5 46.2	9,705	259
15836	Puppis	9½	55 43.52	2,662	109 13 10.7	9,705	282
15837	Puppis	6½	55 48.45	2,663	109 10 13.4	9,709	282
15838	Cancer	8	55 48.70	3,504	69 37 2.0	9,710	219
15839	Cancer	8½	55 52.36	3,605	65 24 48.8	9,716	146
15840	Puppis	9	7 55 53.02	+2,748	105 21 36.3	+9,716	280

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15841	Cancer	8	7 55 53.14	+3.283	79 40 8.3	+9.716	211
15842	Monoceros....	8	55 54.84	2.873	99 33 44.1	9.718	269
15843	Cancer	8½	55 55.03	3.329	77 29 6.8	9.718	217
15844	Cancer	9½	55 56.15	3.722	60 50 3.6	9.721	144
15845	Cancer	9½	55 57.93	3.575	66 39 5.8	9.723	214
15846	Monoceros....	8½	55 58.16	2.908	97 53 23.5	9.723	268
15847	Cancer.... μ^2	5	55 58.56	3.546	67 50 54.6	9.723	211
15848	Monoceros....	9	56 0.99	2.932	96 43 19.3	9.727	265
15849	Puppis	7	56 6.53	2.659	109 19 44.4	9.734	282
15850	Lynx	8	56 7.39	4.599	37 23 54.1	9.734	564
15851	Puppis	8	56 7.42	2.554	113 48 20.2	9.734	469
15852	Puppis	6½	56 7.94	2.521	115 8 20.0	9.736	469
15853	Cancer	7½	56 10.65	3.287	79 27 24.0	9.738	211
15854	Lynx	9	56 11.30	3.988	51 51 20.2	9.738	55
15855	Puppis	7½	56 11.85	2.799	103 0 39.9	9.740	278
15856	Puppis	8	56 11.98	2.799	103 0 41.8	9.740	271
15857	Cancer	9½	56 19.59	3.307	78 30 50.2	9.750	217
15858	Monoceros....	7½	56 20.16	3.032	91 49 49.8	9.750	276
15859	Puppis	8	56 20.65	2.600	111 52 27.3	9.752	285
15860	Monoceros....	9	56 29.63	2.922	97 11 42.4	9.763	268
15861	Cancer	8	56 33.10	3.490	70 12 36.2	9.768	254
15862	Cancer	8	56 33.14	3.490	70 12 40.9	9.768	219
15863	Cancer	8½	56 33.20	3.231	82 9 0.8	9.768	45
15864	Cancer	7½	56 34.05	3.692	61 57 0.9	9.768	144
15865	Lynx	7½	56 37.74	3.927	53 43 31.2	9.772	317
15866	Lynx	8	56 37.90	3.927	53 43 32.7	9.773	220
15867	Cancer	8½	56 38.06	3.775	58 52 28.9	9.773	319
15868	Lynx	8½	56 39.62	4.129	47 47 21.9	9.774	215
15869	Monoceros....	8	56 42.92	3.048	91 4 59.2	9.779	276
15870	Cancer	9	56 44.37	3.426	73 1 2.6	9.781	255
15871	Puppis	8½	56 46.35	2.739	105 50 14.1	9.783	280
15872	Cancer	6½	56 48.95	3.822	57 12 30.0	9.788	213
15873	Puppis	9	56 49.03	2.837	101 16 3.5	9.788	269
15874	Cancer	9	56 49.13	3.381	75 4 43.7	9.788	52
15875	Cancer	8	56 49.57	3.276	79 59 39.0	9.788	211
15876	Cancer	8	56 53.78	3.768	59 5 3.2	9.793	319
15877	Cancer	7½	56 54.92	3.855	56 2 55.0	9.795	274
15878	Cancer	8	56 55.23	3.855	56 2 55.2	9.795	213
15879	Puppis	9	57 0.56	2.843	101 0 32.6	9.802	269
15880	Cancer	9	7 57 0.67	+3.502	69 39 37.5	+9.802	219

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15881	Monoceros....	8	7 57 3,98	+2,999	93 26 52,8	+9,806	259
15882	Lynx.....	7	57 7,80	3,918	53 57 30,1	9,811	220
15883	Lynx.....	6½	57 7,83	3,918	53 57 31,5	9,811	317
15884	Cancer.....	7½	57 11,91	3,734	60 20 7,2	9,817	53
15885	Cancer.....	8	57 13,67	3,554	76 16 43,6	9,819	216
15886	Cancer.....	9	57 15,02	3,710	61 13 46,5	9,820	144
15887	Lynx.....	7½	57 18,11	4,872	32 53 27,5	9,824	381
15888	Lynx.....	9	57 20,12	3,978	52 4 31,8	9,826	55
15889	Puppis.....	8½	57 22,31	2,721	106 37 54,5	9,830	280
15890	Cancer.....	8	57 23,08	3,623	64 36 2,5	9,831	146
15891	Lynx.....	9	57 23,69	4,112	51 3 19,0	9,832	55
15892	Cancer.....	9	57 25,42	3,250	81 12 10,3	9,833	45
15893	Cancer.....	7	57 31,11	3,365	75 47 15,0	9,841	216
15894	Lynx.....	7½	57 32,09	4,436	40 27 51,2	9,842	383
15895	Puppis.....	7½	57 34,62	2,663	109 15 31,3	9,845	282
15896	Cancer.....	8½	57 34,70	3,734	60 18 1,4	9,846	53
15897	Puppis.....	8	57 34,94	2,719	106 43 54,1	9,846	280
15898	Cancer.....	7½	57 36,07	3,641	63 51 58,9	9,847	146
15899	Lynx.....	9	57 36,93	4,194	46 0 52,0	9,849	54
15900	Puppis.....	9	57 38,52	2,785	103 43 43,7	9,851	278
15901	Cancer.....	9	57 40,10	3,350	76 28 29,9	9,853	216
15902	Lynx.....	8	57 42,12	4,487	39 24 39,3	9,855	383
15903	Lynx.....	7½	57 42,58	4,487	39 24 40,9	9,856	564
15904	Puppis.....	8½	57 43,04	2,607	111 39 40,8	9,856	285
15905	Lynx.....	8	57 43,39	4,342	42 28 44,6	9,857	377
15906	Puppis.....	9	57 43,85	2,612	111 28 24,1	9,858	285
15907	Monoceros....	8	57 46,08	3,852	90 50 46,4	9,861	51
15908	Puppis.....	7½	57 47,85	2,785	103 45 13,7	9,863	278
15909	Lynx.....	6	57 48,04	4,865	32 57 53,7	9,863	381
15910	Monoceros....	9	57 48,18	2,956	95 34 11,5	9,863	265
15911	Hydra.....	8	57 50,44	3,191	84 3 36,4	9,865	261
15912	Canis Minor..	9	57 55,24	3,133	86 52 40,0	9,872	257
15913	Monoceros....	9	57 55,77	2,906	98 0 24,4	9,872	268
15914	Monoceros....	8	58 0,52	2,992	93 47 59,0	9,879	259
15915	Cancer.....	9	58 0,73	3,680	62 20 10,8	9,879	144
15916	Lynx.....	7	58 3,64	4,023	50 41 14,0	9,882	55
15917	Cancer.... ψ	7	58 6,20	3,648	63 34 46,8	9,886	146
15918	Cancer.....	9	58 7,82	3,329	77 26 44,5	9,888	217
15919	Puppis.....	9	58 10,06	2,842	101 5 14,2	9,891	269
15920	Puppis.....	7	7 58 12,49	+2,718	106 48 0,6	+9,894	280

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15921	Cancer	8	7 58 14.33	+3,246	81 23 16.5	+9,896	211
15922	Cancer	9	58 14.38	3,246	81 23 15.2	9,897	45
15923	Lynx	8½	58 18.44	4,572	37 44 15.3	9,901	564
15924	Lynx	9	58 22.84	3,855	55 54 59.5	9,907	213
15925	Cancer.... ψ	6	58 23.04	3,639	63 53 54.2	9,907	146
15926	Lynx	9	58 23.35	4,278	43 54 26.4	9,908	384
15927	Lynx	8	58 23.36	3,856	55 55 3.2	9,908	274
15928	Cancer	8½	58 27.80	3,444	72 10 17.0	9,913	256
15929	Monoceros....	7½	58 27.98	3,097	88 40 21.8	9,913	263
15930	Puppis	6	58 28.43	2,647	109 59 4.9	9,914	283
15931	Monoceros....	8	58 31.29	3,091	88 58 5.4	9,917	263
15932	Monoceros....	5	58 32.27	3,021	92 24 40.8	9,918	276
15933	Puppis	8½	58 34.43	2,612	111 28 50.4	9,921	285
15934	Cancer	8	58 35.11	3,438	72 24 27.3	9,922	256
15935	Puppis	7	58 42.12	2,803	102 56 4.0	9,931	271
15936	Cancer	9	58 43.54	3,434	72 34 45.6	9,933	256
15937	Cancer	8	58 44.33	3,344	76 44 7.5	9,933	216
15938	Cancer	8	58 49.42	3,350	76 25 4.3	9,940	216
15939	Cancer	8½	58 51.98	3,383	74 54 29.4	9,945	52
15940	Hydra	8	58 52.70	3,202	83 29 32.7	9,945	261
15941	Hydra	9	58 52.89	3,202	83 29 32.4	9,945	45
15942	Cancer	8½	58 53.37	3,347	76 34 54.5	9,945	216
15943	Lynx	7½	58 55.39	4,399	41 8 7.6	9,948	383
15944	Cancer	8	58 56.20	3,792	58 6 55.5	9,949	319
15945	Cancer	9	58 58.29	3,795	58 0 52.4	9,952	319
15946	Argo ρ	3½	59 0.40	2,559	113 44 6.8	9,954	283
15947	Argo ρ	3½	59 1.25	2,559	113 44 9.7	9,955	285
15948	Argo ρ	3	59 1.74	2,559	113 44 7.7	9,956	469
15949	Cancer	9	59 2.59	3,316	78 0 35.3	9,956	217
15950	Cancer	7	59 4.85	3,823	57 0 33.5	9,960	213
15951	Cancer	6½	59 4.92	3,826	56 55 34.1	9,961	274
15952	Cancer	7½	59 5.78	3,826	56 55 35.8	9,961	221
15953	Lynx	9	59 10.99	4,525	38 34 17.0	9,968	564
15954	Cancer	9½	59 11.41	3,523	68 38 32.4	9,968	211
15955	Lynx	9	59 12.22	4,011	50 57 55.9	9,969	55
15956	Monoceros....	9	59 14.62	3,060	90 27 35.3	9,972	51
15957	Monoceros....	8	59 18.14	2,989	93 58 41.7	9,977	259
15958	Lynx	8	59 19.55	4,174	46 24 50.1	9,979	54
15959	Monoceros....	9½	59 22.40	2,945	96 7 36.4	9,982	265
15960	Cancer	7	7 59 25.04	+3,269	80 15 13.2	+9,986	211

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15961	Puppis	6	7 59 27.32	+2,849	100 45 52.3	+9,988	269
15962	Monoceros....	9	59 27.99	3,088	89 5 15.8	9,988	263
15963	Lynx	8½	59 29.41	4,045	49 56 31.1	9,991	55
15964	Hydra	8½	59 35.77	3,188	84 8 54.0	9,999	261
15965	Cancer	8½	59 35.94	3,587	65 56 10.2	9,999	214
15966	Cancer	8	59 41.93	3,778	58 34 13.0	10,007	319
15967	Puppis	7	59 43.63	2,577	113 2 38.8	10,009	285
15968	Cancer	6	59 43.68	3,385	74 47 24.5	10,009	279
15969	Puppis	8	59 43.76	2,844	101 0 15.2	10,009	270
15970	Cancer	7	59 43.81	3,385	74 47 25.8	10,009	52
15971	Lynx	9	59 44.29	3,882	54 58 13.6	10,010	317
15972	Cancer	8½	59 49.20	3,291	79 10 27.1	10,016	217
15973	Monoceros....	8½	59 50.99	2,997	93 34 21.9	10,018	259
15974	Puppis	7	7 59 52.92	2,653	109 47 23.9	10,021	283
15975	Puppis	7½	8 0 4.75	2,760	104 59 35.1	10,036	278
15976	Lynx	8½	8 5.41	4,901	32 18 5.6	10,037	381
15977	Puppis	5	0 5.79	2,678	108 40 5.4	10,037	282
15978	Puppis	8	0 6.06	2,848	100 51 7.8	10,037	270
15979	Puppis	8½	0 6.37	2,622	111 7 23.9	10,038	283
15980	Puppis	9	0 7.89	2,579	112 58 5.2	10,040	285
15981	Cancer	8	0 9.07	3,277	79 50 31.9	10,041	211
15982	Cancer	9	0 9.10	3,436	72 25 6.7	10,041	256
15983	Monoceros....	9	0 11.28	3,015	92 41 18.8	10,044	276
15984	Hydra	7½	0 13.51	3,141	86 28 7.7	10,047	257
15985	Monoceros....	9	0 13.62	2,957	95 32 53.0	10,047	265
15986	Monoceros....	9	0 16.85	3,008	93 1 56.6	10,051	276
15987	Monoceros....	8	0 18.22	2,945	96 9 50.8	10,053	265
15988	Puppis	6	0 19.76	2,745	105 40 13.1	10,055	280
15989	Cancer	7	0 21.61	3,282	79 35 51.5	10,057	211
15990	Hydra	8½	0 24.86	3,192	83 58 18.8	10,061	261
15991	Cancer	8½	0 26.68	3,766	58 58 16.5	10,064	319
15992	Lynx	9	0 27.33	3,885	54 48 47.6	10,064	317
15993	Cancer	9	0 27.83	3,765	58 58 18.7	10,065	221
15994	Cancer	8	0 29.02	3,271	80 7 50.4	10,066	211
15995	Puppis	7½	0 30.86	2,626	110 59 45.0	10,069	283
15996	Cancer	8½	0 31.59	3,654	63 11 26.6	10,070	144
15997	Cancer	8	0 31.72	3,654	63 11 25.1	10,070	286
15998	Cancer	9	0 33.99	3,211	83 1 50.4	10,073	45
15999	Cancer	7½	0 34.20	3,211	83 1 51.0	10,073	273
16000	Puppis	8½	8 0 35.13	+2,597	112 14 4.7	+10,074	285

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16001	Cancer	9	8 0 35.17	+3,315	77 59 55.6	+10,074	217
16002	Cancer	8	0 40.85	3,359	75 57 55.2	10,081	216
16003	Cancer	9	0 43.13	3,312	78 10 32.2	10,084	217
16004	Cancer ζ	6	0 43.38	3,451	71 45 36.0	10,085	256
16005	Cancer	7	0 43.49	3,451	71 45 45.0	10,085	256
16006	Cancer	7	0 43.78	3,744	59 45 22.3	10,085	53
16007	Cancer	8	0 44.13	3,310	78 14 0.2	10,086	217
16008	Cancer	9½	0 47.04	3,360	75 53 39.2	10,089	216
16009	Hydra	8½	0 50.08	3,205	83 19 45.6	10,093	273
16010	Hydra	8½	0 54.24	3,170	85 2 5.7	10,098	261
16011	Monoceros....	9½	0 55.46	3,107	88 8 24.4	10,100	263
16012	Monoceros....	9	0 56.46	3,107	88 8 56.4	10,101	263
16013	Hydra	7½	0 58.09	3,207	83 14 46.4	10,103	273
16014	Hydra	9	0 58.14	3,207	83 14 39.9	10,103	45
16015	Lynx	8½	0 58.44	4,516	38 37 10.9	10,103	564
16016	Cancer	9½	0 59.69	3,559	67 2 1.7	10,105	214
16017	Lynx	7½	1 3.70	4,599	37 3 50.4	10,110	564
16018	Monoceros....	8½	1 4.08	3,050	90 58 55.3	10,111	51
16019	Cancer	7½	1 9.79	3,370	75 24 37.1	10,118	52
16020	Monoceros....	7½	1 10.15	2,945	96 9 57.0	10,118	265
16021	Cancer	7	1 10.27	3,371	75 24 35.5	10,118	279
16022	Monoceros....	8½	1 13.03	3,029	92 1 19.5	10,122	276
16023	Hydra	8	1 16.73	3,168	85 8 31.0	10,127	261
16024	Lynx	9	1 17.01	3,903	54 10 5.5	10,127	220
16025	Lynx	9	1 17.11	3,903	54 10 10.1	10,127	317
16026	Puppis	9	1 20.15	2,703	107 36 40.0	10,131	282
16027	Puppis	6	1 23.37	2,798	103 13 9.1	10,135	278
16028	Lynx	8	1 23.82	4,079	48 49 48.0	10,135	215
16029	Lynx	8½	1 26.08	4,099	48 15 56.6	10,138	215
16030	Lynx	8½	1 29.34	3,852	55 51 8.9	10,142	213
16031	Lynx	8	1 29.59	3,852	55 51 9.8	10,143	274
16032	Puppis	7	1 34.70	2,605	111 57 3.3	10,149	285
16033	Cancer	9	1 36.99	3,615	64 42 14.6	10,152	286
16034	Cancer	7½	1 38.06	3,310	78 13 21.4	10,153	217
16035	Cancer	8	1 38.42	3,693	61 37 47.5	10,154	144
16036	Puppis	9	1 39.04	2,842	101 10 39.4	10,155	270
16037	Lynx	8	1 40.34	3,863	55 27 52.0	10,156	213
16038	Lynx	7½	1 40.53	3,863	55 27 55.5	10,156	274
16039	Lynx	9	1 40.61	3,909	53 58 6.9	10,157	317
16040	Lynx	9	8 1 42.00	+4,167	46 24 27.1	+10,158	54

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16041	Monoceros....	8½	8	1	42.09	+2,960	95	25	57.0	+10,159	259
16042	Monoceros....	8		1	42.67	2,960	95	26	4.9	10,159	265
16043	Puppis	8½		1	42.89	2,597	112	17	27.4	10,159	285
16044	Cancer	8		1	42.90	3,509	69	7	34.1	10,159	254
16045	Cancer	8½		1	43.33	3,509	69	7	38.3	10,160	219
16046	Cancer	8		1	43.39	3,509	69	7	39.5	10,160	211
16047	Camelopardus .	7		1	44.53	5,343	26	53	33.6	10,162	382
16048	Lynx	9		1	44.69	3,941	52	54	42.4	10,162	55
16049	Monoceros....	5½		1	49.03	2,924	97	11	7.6	10,167	268
16050	Cancer	7½		1	49.09	3,310	78	13	43.5	10,167	217
16051	Cancer	9		1	49.15	3,368	75	18	45.0	10,167	216
16052	Monoceros....	8½		1	49.17	2,959	95	30	18.2	10,167	265
16053	Cancer	7		1	49.63	3,576	66	16	20.2	10,168	214
16054	Hydra	8		1	49.75	3,128	87	7	20.2	10,168	257
16055	Lynx	7½		1	52.31	4,323	42	36	6.7	10,171	377
16056	Puppis	4½		1	52.81	2,817	102	20	33.5	10,172	271
16057	Puppis	4½		1	52.95	2,817	102	20	33.3	10,172	278
16058	Cancer	8		1	59.56	3,276	79	49	53.4	10,180	211
16059	Lynx	6½		2	0.96	4,168	46	22	21.2	10,182	54
16060	Puppis	8½		2	2.25	2,700	107	46	5.2	10,184	282
16061	Hydra	7		2	15.65	3,181	84	28	54.2	10,201	261
16062	Monoceros....	8½		2	16.24	2,959	95	30	18.4	10,201	259
16063	Hydra	9		2	22.17	3,180	84	31	23.2	10,209	261
16064	Puppis	8½		2	25.06	2,848	100	54	8.6	10,212	270
16065	Lynx	9½		2	26.32	3,850	55	51	26.6	10,214	213
16066	Cancer	9		2	26.88	3,495	69	43	54.2	10,215	219
16067	Cancer	8		2	29.13	3,664	62	40	26.8	10,218	144
16068	Cancer	9		2	30.03	3,404	73	46	38.7	10,219	52
16069	Monoceros....	9		2	31.16	2,909	97	56	45.3	10,220	268
16070	Cancer	9		2	31.31	3,675	62	14	43.4	10,220	144
16071	Cancer	8		2	31.41	3,801	57	34	38.5	10,220	319
16072	Cancer	7		2	35.03	3,303	78	33	30.1	10,225	217
16073	Cancer	7½		2	38.65	3,314	78	1	41.5	10,230	217
16074	Cancer	7½		2	38.65	3,293	79	1	44.4	10,230	211
16075	Cancer	9		2	40.78	3,674	62	18	11.4	10,232	144
16076	Monoceros....	8½		2	41.62	3,028	92	2	39.9	10,233	276
16077	Cancer	7		2	43.37	3,449	71	43	59.3	10,235	256
16078	Cancer	•		2	43.41	3,449	71	43	55.9	10,235	279
16079	Lynx	•		2	44.81	4,067	49	4	9.9	10,237	55
16080	Lynx	8½	8	2	44.97	+4,067	49	4	2.6	+10,237	215

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16081	Cancer	7½	8 2 45.48	+3,518	68 41 59.2	+10,238	211
16082	Cancer	9	2 45.83	3,763	58 54 3.3	10,239	221
16083	Lynx	6	2 46.81	4,697	35 15 15.0	10,240	384
16084	Lynx	9½	2 52.10	3,968	51 58 42.2	10,246	55
16085	Lynx	6	2 54.53	4,713	34 57 59.7	10,249	384
16086	Cancer	9	2 56.16	3,568	66 33 2.8	10,251	214
16087	Monoceros....	9	2 57.08	3,032	91 52 37.5	10,252	276
16088	Hydra	9	2 58.83	3,185	84 17 35.0	10,255	261
16089	Monoceros....	9	3 2.22	3,067	90 9 14.7	10,259	51
16090	Cancer	9	3 2.36	3,707	60 59 53.4	10,259	53
16091	Monoceros....	8½	3 2.76	2,937	96 36 30.7	10,260	265
16092	Lynx	8	3 3.79	4,830	33 8 29.2	10,261	381
16093	Monoceros....	8½	3 7.16	3,109	88 0 52.6	10,265	263
16094	Cancer	7½	3 7.36	3,238	81 40 26.5	10,265	273
16095	Cancer	9	3 7.81	3,238	81 40 24.0	10,266	45
16096	Cancer	7	3 11.19	3,809	57 13 32.3	10,270	319
16097	Cancer	7	3 11.30	3,809	57 13 35.2	10,270	274
16098	Cancer	7½	3 11.36	3,809	57 13 30.8	10,270	213
16099	Cancer	9	3 12.65	3,526	68 19 28.9	10,272	211
16100	Cancer	7½	3 13.00	3,348	76 21 23.5	10,273	216
16101	Cancer	8	3 13.18	3,809	57 13 32.1	10,273	221
16102	Puppis	9½	3 18.31	2,620	111 24 14.6	10,279	283
16103	Puppis	9	3 21.35	2,807	102 53 16.0	10,283	271
16104	Lynx	8	3 28.35	3,908	53 50 55.0	10,292	317
16105	Hydra	8	3 29.47	3,107	88 8 57.0	10,293	263
16106	Camelopardus .	9	3 32.14	5,255	27 42 39.5	10,297	382
16107	Cancer	9½	3 33.57	3,348	76 23 17.6	10,298	216
16108	Cancer	7½	3 35.70	3,288	79 13 0.3	10,301	217
16109	Cancer	7½	3 36.15	3,288	79 13 1.9	10,301	211
16110	Cancer	8	3 37.67	3,413	73 19 29.6	10,303	52
16111	Puppis	9	3 37.85	2,807	102 54 40.3	10,304	271
16112	Monoceros....	8	3 44.88	2,949	96 0 2.1	10,312	265
16113	Camelopardus .	9½	3 51.72	5,232	27 56 12.8	10,321	382
16114	Lynx	8½	3 52.91	4,181	45 53 45.7	10,323	54
16115	Monoceros....	9	3 57.00	3,071	89 55 24.4	10,328	51
16116	Lynx	7½	4 4.18	4,178	45 59 16.9	10,337	54
16117	Cancer	8	4 8.11	3,219	82 35 6.2	10,342	273
16118	Cancer	8½	4 8.36	3,517	68 39 18.5	10,342	211
16119	Puppis	5	4 8.49	2,758	105 11 39.6	10,342	280
16120	Puppis	5½	8 4 8.50	+2,758	105 11 37.0	+10,342	278

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16121	Lynx	6	8	4	11,17	+4,928	31 39 0,4	+10,345	381
16122	Cancer	8		4	12,32	3,446	71 49 37,8	10,347	256
16123	Cancer	9		4	12,89	3,537	67 49 2,6	10,347	211
16124	Monoceros....	9		4	16,24	2,944	96 15 20,9	10,352	265
16125	Puppis	8		4	17,84	2,708	107 32 41,2	10,354	282
16126	Hydra	8		4	18,67	3,105	88 14 42,4	10,355	263
16127	Cancer	8½		4	18,82	3,550	67 13 39,9	10,355	214
16128	Puppis	9		4	23,46	2,638	110 38 49,3	10,361	283
16129	Monoceros....	7½		4	23,82	3,005	93 13 55,0	10,361	276
16130	Cancer	8		4	26,45	3,471	70 42 17,7	10,365	219
16131	Cancer	8		4	26,55	3,471	70 42 14,5	10,365	254
16132	Monoceros....	8½		4	26,67	2,903	98 15 41,8	10,365	268
16133	Puppis	9		4	32,66	2,653	109 58 54,3	10,372	283
16134	Cancer	9		4	34,15	3,756	59 3 40,4	10,374	53
16135	Cancer	8		4	34,66	3,314	77 57 22,0	10,375	217
16136	Cancer	8		4	34,73	3,756	59 3 34,0	10,375	319
16137	Cancer	8½		4	35,23	3,756	59 3 36,0	10,376	221
16138	Puppis	7½		4	36,06	2,586	112 55 8,9	10,376	285
16139	Cancer	9½		4	36,87	3,564	66 37 13,3	10,377	214
16140	Lynx	8		4	38,39	4,010	50 35 41,9	10,380	55
16141	Puppis	7		4	42,27	2,567	113 41 52,8	10,384	469
16142	Cancer	8		4	45,34	3,235	81 45 48,0	10,388	273
16143	Lynx	8½		4	47,85	4,870	32 26 11,6	10,391	381
16144	Cancer	9½		4	49,54	3,343	76 32 31,2	10,393	216
16145	Lynx	7½		4	52,80	3,911	53 39 59,2	10,397	220
16146	Lynx	7		4	52,96	3,911	53 40 4,0	10,398	317
16147	Puppis	8		4	54,93	2,599	112 21 14,8	10,400	285
16148	Puppis	8½		4	55,51	2,576	113 21 29,1	10,401	469
16149	Cancer	8		5	2,69	3,528	68 9 58,2	10,410	211
16150	Lynx	8		5	3,10	4,527	38 6 11,1	10,410	564
16151	Lynx	9½		5	3,47	4,015	50 23 49,0	10,411	55
16152	Cancer	9		5	3,49	3,300	78 36 42,9	10,411	217
16153	Hydra	8		5	4,39	3,138	86 33 57,0	10,412	257
16154	Lynx	8		5	4,97	3,956	52 13 22,4	10,413	56
16155	Cancer	9½		5	8,35	3,563	66 38 2,5	10,417	214
16156	Hydra	8½		5	8,71	3,122	87 22 6,8	10,417	263
16157	Hydra	8		5	10,26	3,080	89 29 17,0	10,419	51
16158	Cancer	7		5	11,83	3,668	62 20 45,0	10,421	146
16159	Cancer	8		5	11,89	3,668	62 20 40,4	10,421	144
16160	Cancer	9	8	5	16,01	+3,301	78 33 20,0	+10,426	218

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16161	Lynx	8	8 5 17.92	+3,951	52 20 7.6	+10,429	56
16162	Monoceros....	9	5 18.92	2,943	96 18 38.4	10,430	265
16163	Cancer	8	5 20.25	3,677	61 59 35.5	10,432	144
16164	Cancer	8	5 20.27	3,677	61 59 35.7	10,432	146
16165	Cancer	8½	5 21.16	3,237	81 41 17.1	10,433	273
16166	Hydra	7½	5 21.66	3,138	86 35 51.1	10,433	257
16167	Cancer	8	5 22.45	3,271	79 59 19.6	10,434	211
16168	Lynx	8½	5 25.50	4,427	40 4 14.0	10,438	564
16169	Hydra	8½	5 27.22	3,131	86 56 26.8	10,440	257
16170	Puppis	8½	5 27.68	2,676	109 1 31.9	10,441	282
16171	Monoceros....	8	5 28.54	3,057	90 38 43.7	10,442	51
16172	Cancer	9	5 32.98	3,526	68 12 54.3	10,447	211
16173	Cancer	7½	5 33.55	3,305	78 21 7.8	10,448	218
16174	Cancer β	3½	5 39.12	3,267	80 12 31.7	10,455	279
16175	Cancer β	4½	5 39.63	3,267	80 12 32.5	10,456	323
16176	Cancer β	4½	5 39.68	3,267	80 12 33.0	10,456	211
16177	Monoceros....	9	5 46.44	2,939	96 31 17.1	10,464	265
16178	Ursa Major ..	7½	5 47.97	5,149	28 45 9.9	10,466	382
16179	Puppis	7	5 50.18	2,728	106 40 40.8	10,469	280
16180	Cancer	8½	5 55.94	3,294	78 51 14.6	10,476	218
16181	Cancer	8½	5 57.63	3,230	82 0 17.8	10,478	273
16182	Lynx	8	5 57.70	3,833	56 11 19.9	10,478	213
16183	Hydra	8½	5 57.74	3,207	83 8 41.1	10,478	45
16184	Lynx	7	5 58.08	3,837	56 3 17.8	10,479	274
16185	Cancer	9	5 58.45	3,230	82 0 14.8	10,479	45
16186	Cancer	7	5 59.94	3,652	62 58 2.4	10,481	144
16187	Monoceros....	9	6 1.07	2,935	96 43 56.7	10,482	265
16188	Cancer	8	6 1.63	3,230	82 1 9.8	10,483	273
16189	Cancer	9	6 2.33	3,230	82 1 5.8	10,484	45
16190	Cancer	8½	6 4.38	3,794	57 34 54.9	10,487	319
16191	Cancer	9	6 5.96	3,794	57 35 4.3	10,488	221
16192	Cancer	8	6 6.63	3,311	78 2 27.6	10,489	218
16193	Lynx	8	6 8.30	4,033	49 47 31.9	10,491	55
16194	Cancer	9½	6 9.98	3,535	68 12 54.4	10,494	211
16195	Monoceros....	9	6 10.58	3,045	91 13 43.3	10,494	51
16196	Puppis	7½	6 12.34	2,806	103 1 15.3	10,496	271
16197	Puppis	7	6 12.37	2,806	103 1 15.3	10,496	278
16198	Puppis	8	6 13.86	2,631	111 4 28.3	10,498	283
16199	Puppis	6 14.43	2,638	110 44 30.4	10,499	283
16200	Cancer	8	8 6 16.49	+3,299	78 36 48.4	+10,501	218

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16201	Lynx	8½	8 17.74	+4,855	32 32 45.6	+10,503	381
16202	Puppis	8½	6 18.17	2,667	109 27 21.9	10,504	283
16203	Lynx	9	6 20.99	4,755	34 3 8.8	10,507	384
16204	Lynx	7½	6 32.82	4,042	49 30 11.9	10,522	55
16205	Lynx	8½	6 33.00	3,886	54 21 29.9	10,522	317
16206	Lynx	9	6 33.13	3,881	54 32 26.4	10,522	220
16207	Cancer	9	6 35.80	3,675	61 0 13.1	10,525	146
16208	Lynx	7	6 39.18	3,886	54 20 37.8	10,530	317
16209	Lynx	7½	6 39.43	3,886	54 20 32.2	10,530	220
16210	Cancer	7½	6 40.67	3,260	80 31 32.2	10,532	279
16211	Cancer	7½	6 41.03	3,260	80 31 30.9	10,532	211
16212	Monoceros....	8	6 44.30	3,046	91 10 47.4	10,536	51
16213	Hydra	7	6 46.21	3,166	85 10 21.3	10,539	261
16214	Puppis	8	6 46.97	2,586	113 2 5.4	10,540	285
16215	Cancer	8	6 47.98	3,648	63 3 7.1	10,541	146
16216	Lynx	9	6 47.98	3,812	56 53 24.6	10,541	274
16217	Lynx	9	6 48.07	3,812	56 53 23.7	10,541	213
16218	Cancer	•	6 48.39	3,648	63 3 8.6	10,541	144
16219	Ursa Major ..	9	6 48.96	5,295	27 4 47.9	10,542	382
16220	Cancer	8	6 48.97	3,266	80 13 55.4	10,542	211
16221	Lynx	7	6 53.29	3,890	54 11 10.8	10,547	317
16222	Lynx	7½	6 53.55	3,890	54 11 12.2	10,548	220
16223	Cancer	9	6 54.14	3,718	60 18 43.6	10,548	53
16224	Cancer	7½	6 56.01	3,402	73 42 42.6	10,551	52
16225	Hydra	8½	6 57.74	3,206	83 8 41.6	10,553	45
16226	Puppis	7	7 2.59	2,682	108 48 11.7	10,559	282
16227	Monoceros....	8	7 2.64	2,974	94 48 45.8	10,559	259
16228	Monoceros....	8	7 3.90	2,901	98 26 49.9	10,560	262
16229	Cancer	8½	7 5.38	3,762	58 40 21.9	10,562	319
16230	Lynx	9	7 6.20	4,472	39 1 33.9	10,563	564
16231	Cancer	9	7 6.40	3,762	58 40 27.5	10,564	221
16232	Cancer	8	7 7.02	3,317	77 43 59.5	10,564	218
16233	Monoceros....	6½	7 7.07	3,015	92 45 18.6	10,564	276
16234	Monoceros....	7	7 7.82	2,902	98 24 20.9	10,565	268
16235	Monoceros....	8½	7 10.74	3,018	92 36 21.2	10,569	276
16236	Cancer	8½	7 11.06	3,531	67 53 40.9	10,569	211
16237	Cancer	7	7 11.61	3,595	65 12 46.3	10,570	286
16238	Cancer	8	7 12.70	3,594	65 12 43.8	10,571	214
16239	Hydra	8	7 14.77	3,104	88 14 38.1	10,574	263
16240	Hydra	8	8 7 17.41	+3,137	86 35 51.5	+10,577	257

No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1800.	Annual Preces.	North Polar Distance, Jan. 1, 1800.	Annual Preces.	Page in H.Cél.
			h m s	s	° ' "	"	
16241	Hydra	7	8 7 18,84	+3,206	83° 9' 22,8	+10,579	273
16242	Puppis	8	7 19,14	2,746	105 52 41,8	10,579	280
16243	Hydra	8½	7 19,47	3,206	83 9 21,8	10,580	45
16244	Monoceros....	8	7 21,14	2,975	94 45 40,8	10,582	259
16245	Cancer	9	7 22,22	3,459	71 3 59,5	10,583	254
16246	Cancer	9	7 22,53	3,459	71 3 58,5	10,584	256
16247	Hydra	8	7 22,67	3,140	86 28 13,3	10,584	258
16248	Cancer	8½	7 24,04	3,655	62 44 46,5	10,585	144
16249	Monoceros....	7½	7 25,26	3,020	92 29 50,0	10,587	276
16250	Hydra	8½	7 26,67	3,131	86 55 42,2	10,589	258
16251	Cancer	9	7 31,20	3,805	57 4 6,0	10,594	274
16252	Cancer	9	7 31,54	3,805	57 4 6,0	10,595	213
16253	Cancer	8½	7 32,07	3,613	64 24 40,6	10,595	286
16254	Cancer	8	7 32,53	3,265	80 14 17,6	10,596	211
16255	Lynx	10	7 36,74	3,811	56 51 20,9	10,599	213
16256	Puppis	9	7 36,94	2,779	104 20 33,9	10,601	278
16257	Puppis	7	7 37,45	2,775	104 32 38,8	10,602	278
16258	Cancer	8½	7 40,98	3,525	68 7 40,6	10,606	211
16259	Puppis	9	7 42,58	2,751	105 37 40,7	10,608	280
16260	Monoceros....	9	7 44,73	2,900	98 29 21,3	10,611	268
16261	Lynx	8½	7 45,18	4,888	31 57 48,9	10,612	381
16262	Lynx	8	7 46,23	4,704	34 46 37,5	10,613	384
16263	Hydra	8½	7 46,32	3,183	84 18 44,0	10,613	261
16264	Puppis	8½	7 47,48	2,647	110 24 35,4	10,615	283
16265	Lynx	9	7 48,11	4,427	39 54 4,2	10,615	383
16266	Cancer	8	7 48,66	3,411	73 15 51,4	10,616	52
16267	Cancer	8	7 51,48	3,608	64 37 53,9	10,619	286
16268	Cancer	8½	7 52,10	3,660	62 31 4,5	10,620	145
16269	Lynx	7½	7 52,10	3,906	53 36 14,0	10,620	220
16270	Cancer χ	6	7 53,11	3,669	62 8 48,8	10,621	146
16271	Cancer χ	6	7 53,22	3,669	62 8 46,8	10,622	146
16272	Cancer χ	6	7 53,31	3,669	62 8 40,1	10,622	145
16273	Puppis	9	7 53,88	2,689	108 33 29,5	10,622	282
16274	Hydra	8½	7 57,33	3,185	84 12 0,9	10,627	261
16275	Lynx	8½	7 58,16	4,005	50 30 9,2	10,628	55
16276	Lynx	9	7 58,18	4,163	46 2 50,6	10,628	54
16277	Puppis	7	7 58,27	2,628	111 16 24,8	10,628	285
16278	Cancer	8	8 2,48	3,517	68 28 4,1	10,633	211
16279	Puppis	6½	8 5,90	2,641	110 42 50,7	10,637	283
16280	Cancer	8½	8 8 6,33	+3,585	65 34 29,4	+10,638	214

No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1800.	Annual Preces.	North Polar Distance, Jan. 1, 1800.	Annual Preces.	Page in H. Cat.
			h m s	s	° ' "	"	
16281	Puppis	6½	8 8 13,02	+2,752	105 40 24,1	+10,646	280
16282	Lynx	8½	8 17,15	3,891	54 3 4,7	10,651	317
16283	Cancer	8½	8 24,33	3,492	69 32 0,9	10,660	254
16284	Lynx	6	8 34,36	4,620	36 8 59,0	10,672	564
16285	Lynx	9	8 34,67	3,861	55 3 55,4	10,673	220
16286	Lynx	5	8 34,99	4,619	36 9 2,9	10,673	382
16287	Puppis	8	8 35,34	2,694	108 20 37,3	10,674	282
16288	Cancer λ	6	8 36,48	3,589	65 21 36,3	10,675	279
16289	Puppis	8½	8 36,57	2,650	111 13 9,5	10,675	285
16290	Cancer λ	6	8 37,24	3,589	65 21 35,3	10,676	214
16291	Cancer λ	6	8 38,12	3,589	65 21 35,7	10,677	286
16292	Cancer	6½	8 39,52	3,513	68 37 57,8	10,679	216
16293	Cancer	6½	8 39,77	3,513	68 37 55,3	10,679	211
16294	Cancer	8	8 40,12	3,412	73 9 40,3	10,679	256
16295	Cancer	8½	8 40,69	3,412	73 9 36,7	10,680	52
16296	Puppis	7½	8 45,44	2,780	104 21 41,2	10,686	278
16297	Monoceros....	9	8 47,76	3,016	92 42 27,8	10,689	276
16298	Lynx	9	8 49,21	3,807	56 54 49,3	10,691	213
16299	Lynx	8	8 49,86	3,807	56 54 41,1	10,692	274
16300	Lynx	8	8 50,84	3,849	55 26 38,8	10,693	220
16301	Lynx	7	8 51,14	3,849	55 26 36,9	10,693	274
16302	Puppis	8	8 52,07	2,740	106 14 47,3	10,694	280
16303	Cancer	9	8 53,76	3,671	62 1 31,1	10,696	146
16304	Puppis	6	8 54,09	2,830	101 57 43,7	10,697	271
16305	Cancer	9	8 54,10	3,670	62 1 48,0	10,697	146
16306	Lynx	9	8 58,27	4,329	41 16 21,8	10,702	377
16307	Puppis	9	9 3,26	2,631	111 11 12,2	10,706	285
16308	Puppis	9	9 4,75	2,741	106 11 24,0	10,710	280
16309	Lynx	4½	9 6,04	4,155	46 11 1,9	10,711	54
16310	Lynx	8	9 13,98	4,055	48 55 51,2	10,721	215
16311	Cancer	9	9 15,98	3,707	60 33 46,8	10,724	53
16312	Hydra	6	9 18,19	3,160	85 25 58,4	10,727	261
16313	Hydra	6	9 18,57	3,160	85 25 57,9	10,727	258
16314	Monoceros....	9½	9 18,77	2,933	96 53 17,9	10,727	265
16315	Cancer	9	9 19,38	3,665	62 12 49,4	10,728	146
16316	Puppis	6½	9 19,68	2,789	103 57 2,5	10,728	278
16317	Monoceros....	8	9 21,16	2,971	95 0 13,9	10,730	259
16318	Hydra	8½	9 23,00	3,066	90 10 12,4	10,732	51
16319	Monoceros....	8	9 28,14	2,932	96 56 34,2	10,739	265
16320	Hydra	9	8 9 32,11	+3,136	86 37 3,1	+10,744	258

Annual
Preces.

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1800.	Annual Preces.	North Polar Distance, Jan. 1, 1800.	Annual Preces.	Page in H.Cel.
16321	Cancer	8	8 9 36,86	+3,674	61° 50' 59,1	+10,750	146
16322	Cancer	7½	9 36,92	3,241	81 22 22,5	10,750	273
16323	Cancer	9	9 38,82	3,672	61 56 20,2	10,752	146
16324	Cancer	9	9 39,29	3,672	61 56 17,3	10,753	146
16325	Monoceros....	7	9 40,18	2,880	99 33 6,5	10,754	270
16326	Lynx	8½	9 41,20	4,696	34 45 30,7	10,755	384
16327	Cancer	9	9 44,90	3,447	71 32 2,6	10,759	256
16328	Lynx	8	9 49,80	4,655	35 26 22,9	10,765	382
16329	Puppis	9	9 57,35	2,638	110 57 36,0	10,775	283
16330	Monoceros....	8	9 58,67	3,027	92 9 53,9	10,776	276
16331	Hydra	7	10 0,18	3,064	90 17 1,0	10,778	51
16332	Cancer	9	10 1,40	3,562	66 25 24,7	10,780	214
16333	Cancer	9	10 4,29	3,742	59 11 37,9	10,783	53
16334	Puppis	9	10 8,22	2,741	106 14 29,6	10,788	280
16335	Cancer	9	10 8,31	3,217	82 32 41,4	10,788	273
16336	Cancer	8½	10 9,01	3,633	63 27 5,4	10,789	286
16337	Cancer	10	10 11,76	3,565	65 16 44,6	10,792	214
16338	Lynx	9	10 11,88	3,892	53 53 1,8	10,792	317
16339	Lynx	9½	10 12,05	4,060	48 41 58,4	10,793	215
16340	Cancer	9	10 15,82	3,211	82 52 28,0	10,797	273
16341	Hydra	8	10 16,09	3,134	86 42 49,5	10,798	258
16342	Cancer	8	10 16,33	3,673	61 50 47,4	10,798	146
16343	Hydra	9	10 18,63	3,030	92 0 44,5	10,801	276
16344	Lynx	8½	10 19,95	4,742	33 58 6,2	10,802	384
16345	Monoceros....	7	10 21,86	2,974	94 52 23,8	10,805	259
16346	Cancer	9	10 23,79	3,339	76 33 43,8	10,807	216
16347	Cancer	8	10 26,03	3,779	57 47 18,7	10,810	319
16348	Puppis	7	10 26,79	2,670	109 32 46,0	10,811	285
16349	Cancer	8½	10 26,81	3,779	57 47 19,7	10,811	221
16350	Cancer	7½	10 27,18	3,493	69 24 52,3	10,811	219
16351	Cancer	8	10 27,31	3,493	69 24 50,2	10,812	254
16352	Cancer	7½	10 27,59	3,493	69 24 51,4	10,812	211
16353	Cancer	8½	10 27,81	3,441	71 46 27,0	10,812	256
16354	Puppis	7	10 29,10	2,825	102 14 12,2	10,814	271
16355	Hydra	9	10 36,97	3,104	88 16 11,8	10,824	263
16356	Cancer .....	.	10 37,80	3,370	75 3 21,0	10,824	52
16357	Monoceros....	8	10 39,20	2,951	96 0 18,8	10,826	265
16358	Puppis	8	10 39,97	2,588	113 10 43,1	10,827	285
16359	Hydra	8½	10 40,14	3,168	84 59 54,9	10,827	261
16360	Cancer	8	8 10 40,42	+3,628	63 38 7,6	+10,828	286

No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1800.			Annual Preces.	North Polar Distance, Jan. 1, 1800.	Annual Preces.	Page in H.Cel.
			h	m	s	"	° ' "	"	
16281	Puppis	6½	8	8	13.02	+2,752	105 40 24.1	+10,646	280
16282	Lynx	8½	8	17.15		3,891	54 3 4.7	10,651	317
16283	Cancer	8½	8	24.33		3,492	69 32 0.9	10,660	254
16284	Lynx	6	8	34.36		4,620	36 8 59.0	10,672	564
16285	Lynx	9	8	34.67		3,861	55 3 55.4	10,673	220
16286	Lynx	5	8	34.99		4,619	36 9 2.9	10,673	382
16287	Puppis	8	8	35.34		2,694	108 20 37.3	10,674	282
16288	Cancer λ	6	8	36.48		3,589	65 21 36.3	10,675	279
16289	Puppis	8½	8	36.57		2,650	111 13 9.5	10,675	285
16290	Cancer λ	6	8	37.24		3,589	65 21 35.3	10,676	214
16291	Cancer λ	6	8	38.12		3,589	65 21 35.7	10,677	286
16292	Cancer	6½	8	39.52		3,513	68 37 57.8	10,679	216
16293	Cancer	6½	8	39.77		3,513	68 37 55.3	10,679	211
16294	Cancer	8	8	40.12		3,412	73 9 40.3	10,679	256
16295	Cancer	8½	8	40.69		3,412	73 9 36.7	10,680	52
16296	Puppis	7½	8	45.44		2,780	104 21 41.2	10,686	278
16297	Monoceros....	9	8	47.76		3,016	92 42 27.8	10,689	276
16298	Lynx	9	8	49.21		3,807	56 54 49.3	10,691	213
16299	Lynx	8	8	49.86		3,807	56 54 41.1	10,692	274
16300	Lynx	8	8	50.84		3,849	55 26 38.8	10,693	220
16301	Lynx	7	8	51.14		3,849	55 26 36.9	10,693	274
16302	Puppis	8	8	52.07		2,740	106 14 47.3	10,694	280
16303	Cancer	9	8	53.76		3,671	62 1 31.1	10,696	146
16304	Puppis	6	8	54.09		2,830	101 57 43.7	10,697	271
16305	Cancer	9	8	54.10		3,670	62 1 48.0	10,697	146
16306	Lynx	9	8	58.27		4,329	41 16 21.8	10,702	377
16307	Puppis	9	9	3.26		2,631	111 11 12.2	10,706	285
16308	Puppis	9	9	4.75		2,741	106 11 24.0	10,710	280
16309	Lynx	4½	9	6.04		4,155	46 11 1.9	10,711	54
16310	Lynx	8	9	13.98		4,055	48 55 51.2	10,721	215
16311	Cancer	9	9	15.98		3,707	60 33 46.8	10,724	53
16312	Hydra	6	9	18.19		3,160	85 25 58.4	10,727	261
16313	Hydra	6	9	18.57		3,160	85 25 57.9	10,727	258
16314	Monoceros....	9½	9	18.77		2,933	96 53 17.9	10,727	265
16315	Cancer	9	9	19.38		3,665	62 12 49.4	10,728	146
16316	Puppis	6½	9	19.68		2,789	103 57 2.5	10,728	278
16317	Monoceros....	8	9	21.16		2,971	95 0 13.9	10,730	259
16318	Hydra	8½	9	23.00		3,066	90 10 12.4	10,732	51
16319	Monoceros....	8	9	28.14		2,932	96 56 34.2	10,739	265
16320	Hydra	9	8	9 32.11	+3,136		86 37 3.1	+10,744	258

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			h m s	s	° ' "	"	
16321	Cancer	8	8 9 36,86	+3,674	61 50 59,1	+10,750	146
16322	Cancer	7½	9 36,92	3,241	81 22 22,5	10,750	273
16323	Cancer	9	9 38,82	3,672	61 56 20,2	10,752	146
16324	Cancer	9	9 39,29	3,672	61 56 17,3	10,753	146
16325	Monoceros....	7	9 40,18	2,880	99 33 6,5	10,754	270
16326	Lynx	8½	9 41,20	4,696	34 45 30,7	10,755	384
16327	Cancer	9	9 44,90	3,447	71 32 2,6	10,759	256
16328	Lynx	8	9 49,80	4,655	35 26 22,9	10,765	382
16329	Puppis	9	9 57,35	2,638	110 57 36,0	10,775	283
16330	Monoceros....	8	9 58,67	3,027	92 9 53,9	10,776	276
16331	Hydra	7	10 0,18	3,064	90 17 1,0	10,778	51
16332	Cancer	9	10 1,40	3,562	66 25 24,7	10,780	214
16333	Cancer	9	10 4,29	3,742	59 11 37,9	10,783	53
16334	Puppis	9	10 8,22	2,741	106 14 29,6	10,788	280
16335	Cancer	9	10 8,31	3,217	82 32 41,4	10,788	273
16336	Cancer	8½	10 9,01	3,633	63 27 5,4	10,789	286
16337	Cancer	10	10 11,76	3,565	65 16 44,6	10,792	214
16338	Lynx	9	10 11,88	3,892	53 53 1,8	10,792	317
16339	Lynx	9½	10 12,05	4,060	48 41 58,4	10,793	215
16340	Cancer	9	10 15,82	3,211	82 52 28,0	10,797	273
16341	Hydra	8	10 16,09	3,134	86 42 49,5	10,798	258
16342	Cancer	8	10 16,33	3,673	61 50 47,4	10,798	146
16343	Hydra	9	10 18,63	3,030	92 44,5	10,801	276
16344	Lynx	8½	10 19,95	4,742	33 58 6,2	10,802	384
16345	Monoceros....	7	10 21,86	2,974	94 52 23,8	10,805	259
16346	Cancer	9	10 23,79	3,339	76 33 43,8	10,807	216
16347	Cancer	8	10 26,03	3,779	57 47 18,7	10,810	319
16348	Puppis	7	10 26,79	2,670	109 32 46,0	10,811	285
16349	Cancer	8½	10 26,81	3,779	57 47 19,7	10,811	221
16350	Cancer	7½	10 27,18	3,493	69 24 52,3	10,811	219
16351	Cancer	8	10 27,31	3,493	69 24 50,2	10,812	254
16352	Cancer	7½	10 27,59	3,493	69 24 51,4	10,812	211
16353	Cancer	8½	10 27,81	3,441	71 46 27,0	10,812	256
16354	Puppis	7	10 29,10	2,825	102 14 12,2	10,814	271
16355	Hydra	9	10 36,97	3,104	88 16 11,8	10,824	263
16356	Cancer .....	.	10 37,80	3,370	75 3 21,0	10,824	52
16357	Monoceros....	8	10 39,20	2,951	96 18,8	10,826	265
16358	Puppis	8	10 39,97	2,588	113 10 43,1	10,827	285
16359	Hydra	8½	10 40,14	3,168	84 59 54,9	10,827	261
16360	Cancer	8	8 10 40,42	+3,628	63 38 7,6	+10,828	286

No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1800.	Annual Preces.	North Polar Distance, Jan. 1, 1800.	Annual Preces.	Page in H. Cél.
			h m s	s	° ' "	"	
16361	Puppis	7½	8 10 42,15	+2,646	110° 38' 10,8	+10,830	283
16362	Cancer	8	10 43,16	3,380	74 36 22,4	10,831	52
16363	Monoceros....	9	10 43,18	2,954	95 52 48,4	10,831	265
16364	Cancer	8	10 44,41	3,356	75 45 0,0	10,833	216
16365	Puppis	8	10 46,67	2,789	103 59 43,0	10,835	278
16366	Lynx	9½	10 47,49	3,916	53 3 20,5	10,836	56
16367	Cancer	8½	10 53,65	3,661	62 16 51,0	10,844	146
16368	Cancer	8½	10 54,03	3,661	62 16 40,1	10,845	146
16369	Hydra	8	10 55,97	3,103	88 18 17,0	10,847	163
16370	Cancer	9	11 0,04	3,304	78 15 9,3	10,852	218
16371	Cancer	9	11 5,08	3,740	59 11 44,0	10,858	221
16372	Lynx	7	11 6,94	4,105	47 21 51,9	10,860	54
16373	Lynx	7	11 7,67	4,105	47 21 55,7	10,861	215
16374	Lynx	9	11 9,27	4,105	47 22 9,9	10,863	54
16375	Hydra	7½	11 10,95	3,051	90 58 31,1	10,865	51
16376	Puppis	8½	11 13,10	2,810	103 0 40,6	10,868	271
16377	Lynx	8	11 16,77	3,797	57 4 34,0	10,872	213
16378	Lynx	7½	11 16,80	3,797	57 4 33,7	10,872	274
16379	Cancer	9½	11 19,04	3,357	75 38 16,0	10,875	216
16380	Cancer	8½	11 21,82	3,440	71 44 11,1	10,879	256
16381	Puppis	7½	11 25,21	2,596	112 50 24,8	10,883	285
16382	Cancer	8	11 26,15	3,294	78 42 40,1	10,884	218
16383	Puppis	7½	11 26,83	2,795	103 44 19,0	10,885	278
16384	Puppis	8	11 31,15	2,599	112 44 13,9	10,890	285
16385	Monoceros....	7½	11 31,38	2,923	97 26 0,8	10,890	268
16386	Cancer	9	11 32,00	3,663	62 9 10,1	10,891	146
16387	Cancer	9	11 32,17	3,663	62 9 13,2	10,891	146
16388	Cancer	8½	11 33,84	3,441	71 42 3,1	10,893	256
16389	Puppis	8	11 34,39	2,589	113 9 37,7	10,894	285
16390	Ursa Major ..	9	11 35,84	5,162	28 13 3,0	10,896	382
16391	Cancer	7	11 36,12	3,767	58 9 58,1	10,896	319
16392	Cancer	8	11 37,65	3,769	58 4 3,3	10,898	221
16393	Cancer	8½	11 39,59	3,573	65 50 3,6	10,900	214
16394	Hydra	8½	11 42,70	3,130	86 55 33,1	10,904	258
16395	Lynx	8	11 44,46	4,630	35 43 47,3	10,906	382
16396	Ursa Major ..	9	11 46,51	5,144	28 25 5,3	10,909	382
16397	Hydra	7½	11 47,70	3,124	87 13 14,9	10,910	263
16398	Hydra	7	11 47,71	3,124	87 13 13,7	10,910	258
16399	Hydra	9	11 48,20	3,025	92 18 6,6	10,911	276
16400	Puppis	8½	8 11 48,40	+2,691	108 39 13,1	+10,911	282

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16401	Monoceros....	8	8 11 48.60	+2,921	97 33 56.3	+10,911	268
16402	Cancer	9	11 50.14	3,424	72 28 30.1	10,913	256
16403	Cancer	8½	11 52.06	3,214	82 39 30.0	10,915	273
16404	Hydra	8	11 52.34	3,181	84 21 14.1	10,916	261
16405	Cancer	9½	11 53.12	3,533	67 32 54.9	10,917	211
16406	Cancer d¹	6	11 53.63	3,455	71 2 8.4	10,917	254
16407	Cancer d¹	6	11 53.98	3,455	71 2 10.2	10,918	219
16408	Cancer	7	11 57.91	3,451	71 13 53.4	10,923	219
16409	Cancer	8	11 57.92	3,451	71 13 57.6	10,923	254
16410	Puppis	9	11 58.86	2,695	108 27 41.9	10,924	282
16411	Monoceros....	6½	12 3.81	2,863	100 25 4.2	10,930	270
16412	Lynx	8	12 5.47	4,721	34 10 18.5	10,932	384
16413	Lynx	6	12 14.07	3,873	54 21 12.5	10,942	317
16414	Lynx	6	12 14.50	3,873	54 21 17.8	10,943	220
16415	Cancer	8½	12 15.95	3,643	62 54 4.9	10,945	146
16416	Cancer	9	12 16.07	3,656	62 23 52.7	10,945	146
16417	Cancer	8	12 16.32	3,643	62 54 3.3	10,945	286
16418	Cancer	8½	12 16.44	3,643	62 53 58.1	10,945	146
16419	Lynx	8½	12 19.91	3,946	51 58 29.4	10,950	56
16420	Hydra	8½	12 20.46	3,071	89 54 27.3	10,950	51
16421	Lynx	8½	12 21.54	3,794	57 6 33.4	10,951	213
16422	Lynx	8½	12 21.72	3,794	57 6 36.9	10,952	274
16423	Lynx	7½	12 21.96	3,794	57 6 40.3	10,952	319
16424	Cancer	8½	12 22.68	3,767	58 6 42.5	10,953	221
16425	Monoceros....	6½	12 23.17	2,870	100 7 13.2	10,954	270
16426	Puppis	8	12 23.25	2,686	108 55 33.0	10,954	282
16427	Lynx	9	12 24.11	4,414	39 48 9.8	10,955	383
16428	Puppis	6	12 26.34	2,674	109 27 6.3	10,957	283
16429	Hydra	9	12 27.90	3,119	87 30 27.8	10,959	263
16430	Puppis	8	12 28.83	2,794	103 48 22.5	10,960	278
16431	Hydra	7½	12 35.50	3,065	90 14 12.1	10,969	51
16432	Monoceros....	6½	12 38.79	2,961	95 32 55.9	10,973	265
16433	Puppis	8	12 39.87	2,808	103 8 21.4	10,974	271
16434	Lynx	8	12 42.58	4,616	35 54 3.0	10,977	382
16435	Lynx	9	12 42.72	4,431	39 26 8.9	10,977	564
16436	Lynx	8½	12 43.29	3,917	52 51 33.2	10,978	56
16437	Cancer	9	12 44.23	3,430	72 9 52.0	10,979	256
16438	Cancer	7½	12 48.35	3,216	82 33 10.0	10,984	273
16439	Puppis	6	12 49.96	2,728	106 57 23.0	10,986	280
16440	Hydra	8	8 12 50.66	+3,024	92 19 35.0	+10,987	276

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16441	Hydra	8	8	12	51.03	+3.024	92	19	29.9	+10.988	276
16442	Lynx	8		12	58.13	4.478	38	27	0.0	10.996	564
16443	Cancer	6		12	58.27	3.292	78	44	0.5	10.996	218
16444	Monoceros....	8		12	58.88	2.951	96	3	44.5	10.997	265
16445	Cancer	9		12	59.78	3.230	81	49	43.0	10.998	273
16446	Lynx	8½		13	1.12	3.932	52	22	40.0	11.000	56
16447	Cancer	8		13	2.11	3.581	65	25	11.5	11.001	214
16448	Lynx	7½		13	5.60	4.808	32	41	23.9	11.005	381
16449	Monoceros....	6½		13	7.64	2.934	96	54	42.0	11.008	265
16450	Monoceros....	9		13	10.15	2.914	97	56	35.0	11.011	268
16451	Cancer	9½		13	11.62	3.494	69	13	22.0	11.013	211
16452	Cancer	8		13	12.97	3.494	69	12	40.9	11.014	211
16453	Hydra	8		13	15.11	3.183	84	12	30.2	11.017	261
16454	Cancer	9		13	18.81	3.228	81	55	12.2	11.021	273
16455	Cancer	9		13	19.51	3.738	59	7	51.6	11.022	221
16456	Cancer	7½		13	21.53	3.429	72	10	34.1	11.025	256
16457	Puppis	6		13	22.64	2.824	102	25	14.6	11.026	271
16458	Cancer	8		13	23.01	3.264	80	7	57.3	11.027	211
16459	Lynx	7		13	27.53	4.030	49	18	58.9	11.032	55
16460	Lynx	9		13	28.12	3.847	55	9	8.7	11.033	220
16461	Lynx	9		13	28.53	3.847	55	9	5.0	11.033	213
16462	Lynx	9		13	28.63	3.847	55	9	5.3	11.033	317
16463	Hydra	8		13	29.96	3.083	89	18	19.6	11.035	263
16464	Cancer	9		13	30.16	3.571	65	48	47.1	11.035	214
16465	Ursa Major . 0	4½		13	30.74	5.115	28	37	44.6	11.036	382
16466	Cancer	9		13	31.04	3.234	81	38	42.8	11.036	273
16467	Lynx	7		13	32.82	4.636	35	29	20.6	11.039	384
16468	Lynx	8		13	33.25	4.636	35	29	28.1	11.039	382
16469	Lynx	6		13	33.56	4.239	43	41	5.4	11.039	352
16470	Cancer	9		13	37.40	3.754	58	29	46.1	11.044	221
16471	Cancer	9½		13	38.65	3.761	58	13	34.0	11.046	221
16472	Cancer	8		13	42.26	3.232	81	43	26.9	11.050	273
16473	Hydra	7½		13	46.02	3.053	90	51	43.0	11.055	51
16474	Lynx	8		13	47.06	4.415	39	39	59.6	11.056	383
16475	Lynx	9		13	49.74	3.919	52	43	24.6	11.059	56
16476	Cancer	9		13	50.49	3.315	77	37	9.3	11.060	218
16477	Puppis	8½		13	50.74	2.630	111	30	5.3	11.060	285
16478	Cancer	8½		13	50.85	3.695	60	43	51.9	11.060	53
16479	Cancer	8½		13	52.24	3.689	60	57	31.1	11.061	53
16480	Lynx	9½	8	13	52.73	+4.137	46	15	37.3	+11.063	54

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			h m s	s	° ' "	"	
16481	Cancer	8	8 13 52.74	+3,325	77 7 36.6	+11,063	216
16482	Cancer	8	13 53.08	3,325	77 7 38.7	11,063	218
16483	Hydra	8	13 55.70	3,024	92 19 16.1	11,067	276
16484	Lynx	8	14 2.09	3,850	55 1 13.1	11,074	213
16485	Lynx	8	14 2.36	4,261	43 6 23.3	11,074	377
16486	Lynx	7½	14 2.66	3,850	55 1 15.3	11,075	317
16487	Lynx	8	14 2.79	3,850	55 1 13.8	11,075	220
16488	Monoceros ...	8½	14 6.14	2,916	97 49 57.7	11,079	268
16489	Cancer	7	14 9.40	3,267	79 56 16.2	11,083	211
16490	Monoceros....	8½	14 9.96	2,940	96 37 41.4	11,084	265
16491	Cancer.... φ ¹	5½	14 16.01	3,676	61 27 32.7	11,091	53
16492	Cancer.... φ ¹	6½	14 16.44	3,676	61 27 33.6	11,092	146
16493	Monoceros....	8	14 17.47	2,701	108 18 53.6	11,093	282
16494	Hydra	7½	14 20.52	3,060	90 29 57.6	11,097	51
16495	Cancer	8	14 21.02	3,274	79 37 12.8	11,097	211
16496	Cancer	9	14 23.12	3,494	69 9 54.3	11,100	211
16497	Lynx	9½	14 23.58	3,789	57 9 17.4	11,100	274
16498	Monoceros....	8½	14 24.13	2,918	97 45 57.7	11,101	268
16499	Lynx	9	14 25.39	3,789	57 7 33.3	11,102	274
16500	Lynx	8	14 25.45	3,893	53 32 15.9	11,102	317
16501	Lynx	8½	14 25.75	3,789	57 7 41.5	11,103	319
16502	Lynx	8	14 25.98	3,893	53 32 17.8	11,103	220
16503	Lynx	9	14 27.95	4,020	49 30 49.4	11,106	55
16504	Cancer	8½	14 28.50	3,679	61 17 44.5	11,106	146
16505	Lynx	9	14 28.64	4,085	47 38 19.8	11,106	215
16506	Cancer.... d ²	6	14 29.52	3,425	72 18 16.5	11,108	256
16507	Cancer.... d ²	6	14 29.78	3,425	72 18 20.0	11,108	279
16508	Hydra	8	14 33.26	3,170	84 51 47.5	11,112	261
16509	Hydra	6	14 36.41	3,009	93 6 44.1	11,116	276
16510	Hydra	5½	14 36.74	3,009	93 6 39.1	11,116	259
16511*	Cancer.... φ ²	8	14 39.52	3,651	62 25 28.5	11,120	146
16512*	Cancer.... φ ²	8	14 39.72	3,651	62 25 23.5	11,120	146
16513*	Cancer.... φ ²	8	14 39.80	3,651	62 25 24.4	11,120	146
16514*	Cancer.... φ ²	8	14 39.80	3,651	62 25 24.5	11,120	146
16515	Lynx	8	14 40.83	4,531	37 18 4.7	11,121	564
16516	Cancer	9	14 42.02	3,463	70 31 0.4	11,123	254
16517	Cancer.... υ ¹	7½	14 44.32	3,593	64 49 9.4	11,125	286
16518	Cancer.... υ ¹	8½	14 44.62	3,593	64 49 1.4	11,126	286
16519	Cancer.... υ ¹	8½	14 44.71	3,593	64 49 9.5	11,126	214
16520	Monoceros....	8	8 14 45.15	+2,916	97 53 2.0	+11,127	268

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			Ascension, Jan. 1, 1800.				
			h m s	Preces.	Distance, Jan. 1, 1800.	Preces.	in H.Cel.
16521	Monoceros....	9	8 14 47.62	+2,919	97° 41' 32.6"	+11,129	268
16522	Lynx	7½	14 56.78	3,901	53 13 43.7	11,141	317
16523	Lynx	8	14 57.00	3,901	53 13 47.7	11,141	220
16524	Lynx	8½	14 57.10	4,485	38 8 55.5	11,141	564
16525	Monoceros....	9½	15 2.55	2,856	100 52 8.5	11,148	270
16526	Monoceros....	7½	15 8.61	2,856	100 53 6.6	11,155	270
16527	Monoceros....	7	15 9.22	2,698	108 29 46.9	11,156	282
16528	Lynx	8	15 9.69	3,893	53 27 38.7	11,157	56
16529	Lynx	7	15 10.19	3,893	53 27 46.0	11,157	317
16530	Cancer	6	15 10.60	3,230	81 47 37.3	11,157	273
16531	Lynx	7	15 10.75	3,893	53 27 47.9	11,158	22
16532	Cancer	7½	15 11.37	3,743	58 48 20.0	11,158	319
16533	Cancer	8½	15 12.05	3,742	58 48 20.9	11,159	221
16534	Hydra	6	15 12.20	3,123	87 15 19.6	11,159	258
16535	Hydra	9	15 14.41	3,008	93 11 36.3	11,162	276
16536*	Lynx	6	15 16.53	4,643	35 13 44.6	11,165	384
16537	Lynx	7½	15 16.96	4,643	35 13 46.9	11,165	382
16538	Lynx	8½	15 17.71	3,895	53 23 48.8	11,166	317
16539	Lynx	9	15 17.79	3,895	53 23 47.9	11,166	220
16540	Lynx	9	15 19.17	3,908	52 57 51.4	11,168	56
16541	Monoceros....	8	15 21.84	2,793	103 57 42.9	11,171	278
16542	Monoceros....	8	15 22.89	2,776	104 49 13.1	11,172	278
16543	Cancer	8	15 23.99	3,269	79 48 49.4	11,174	211
16544	Lynx	9	15 24.28	3,830	55 36 56.9	11,174	213
16545	Lynx	•	15 25.90	4,021	49 24 51.7	11,176	55
16546	Hydra	7	15 26.84	3,113	87 46 52.0	11,177	263
16547	Monoceros....	7½	15 26.98	2,943	96 31 41.4	11,177	265
16548	Lynx	8	15 27.63	3,824	55 49 18.2	11,178	213
16549	Lynx	8	15 28.14	3,824	55 49 21.5	11,179	274
16550	Lynx	•	15 31.00	3,899	53 13 40.6	11,182	56
16551	Hydra	8	15 31.95	3,074	89 46 4.4	11,183	51
16552	Monoceros....	7	15 34.04	2,831	102 7 24.9	11,186	271
16553	Cancer	9	15 35.25	3,517	68 2 36.4	11,187	211
16554	Cancer	8	15 36.45	3,559	66 12 7.1	11,189	214
16555	Hydra	8½	15 38.26	3,170	84 51 12.7	11,191	261
16556	Lynx	7½	15 38.79	3,828	55 40 1.4	11,192	274
16557	Lynx	7½	15 39.13	3,828	55 40 2.1	11,192	213
16558	Cancer	6	15 39.34	3,332	76 41 45.6	11,192	216
16559	Hydra	4	15 39.45	3,006	93 15 45.7	11,192	276
16560	Hydra	4	8 15 39.85	+3,006	93 15 43.7	+11,193	259

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			h m s	s	° ' "	"	
16561	Monoceros.....	7	8 15 43.30	+2,780	104 39 17.2	+11,197	278
16562	Lynx	9	15 47.38	4,639	35 15 49.0	11,202	384
16563	Lynx	9	15 48.66	4,638	35 15 54.2	11,203	382
16564	Cancer	9	15 51.37	3,299	78 19 52.9	11,207	218
16565	Cancer	9	15 51.77	3,520	67 53 26.4	11,207	211
16566	Hydra	8	15 54.69	3,130	86 51 43.9	11,211	258
16567	Monoceros.....	9	15 55.79	2,707	108 6 36.6	11,212	282
16568	Cancer	8	15 57.64	3,707	59 52 37.0	11,214	53
16569	Cancer	7½	15 59.11	3,231	81 42 15.4	11,216	273
16570	Lynx	7	16 1.26	4,108	46 51 48.6	11,219	54
16571	Lynx	•	16 1.69	3,984	50 28 34.8	11,219	55
16572	Lynx	9	16 4.44	4,436	39 3 19.5	11,223	383
16573	Monoceros.....	8	16 12.87	2,911	98 8 22.3	11,233	268
16574	Puppis	7½	16 13.41	2,598	113 3 4.9	11,233	285
16575	Lynx	8½	16 15.25	3,828	55 37 17.1	11,236	213
16576	Lynx	9	16 15.79	3,827	55 37 16.5	11,236	274
16577	Cancer	7½	16 17.09	3,223	82 7 56.2	11,238	273
16578	Monoceros.....	7½	16 23.63	2,917	97 52 13.4	11,246	268
16579	Puppis	6	16 25.40	2,590	113 24 26.1	11,248	285
16580	Monoceros.....	7	16 26.55	2,877	99 52 16.2	11,249	270
16581	Cancer	8½	16 26.65	3,445	71 16 53.5	11,249	254
16582	Cancer	7	16 26.80	3,513	68 11 46.9	11,249	211
16583	Cancer	8½	16 26.98	3,445	71 16 58.7	11,250	256
16584	Hydra	6	16 27.23	3,005	93 20 19.0	11,250	276
16585	Hydra	6	16 27.29	3,005	93 20 19.1	11,250	259
16586	Monoceros.....	6	16 27.52	2,658	110 24 28.5	11,250	283
16587	Cancer	9	16 28.13	3,334	76 34 44.7	11,251	216
16588	Puppis	9½	16 28.53	2,590	113 24 26.1	11,251	285
16589	Monoceros.....	6½	16 31.95	2,736	106 47 41.0	11,256	280
16590	Cancer	9	16 32.43	3,303	78 5 55.8	11,256	218
16591	Lynx	8	16 35.14	4,273	42 35 52.3	11,260	377
16592	Lynx	7	16 37.29	3,798	56 39 23.4	11,262	274
16593	Monoceros.....	6	16 38.38	2,788	104 17 12.7	11,263	278
16594	Lynx	9	16 40.67	4,387	40 1 45.6	11,266	383
16595	Hydra	8	16 40.72	3,059	90 34 8.7	11,266	51
16596	Cancer	9	16 42.17	3,407	73 2 30.9	11,268	256
16597	Cancer v ²	7	16 43.11	3,581	65 12 6.8	11,269	279
16598	Cancer v ²	6½	16 43.51	3,581	65 12 8.4	11,270	214
16599	Cancer v ²	6	16 43.80	3,581	65 12 7.1	11,270	286
16600	Hydra	9	8 16 50.62	+3,173	84 40 1.7	+11,278	261

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			^h ^m ^s	^s	[°] ['] ["]	["]	
16601	Hydra	8½	8 16 54,08	+3,154	85 39 24,9	+11,282	258
16602	Lynx	8½	16 56,01	3,862	54 22 27,0	11,285	318
16603	Lynx	8½	16 56,05	3,925	52 16 32,7	11,285	56
16604	Lynx	8	16 56,41	3,862	54 22 26,2	11,285	220
16605	Monoceros....	9	16 58,36	2,700	108 30 50,4	11,288	282
16606	Lynx	8	17 1,90	4,453	38 38 3,7	11,292	564
16607	Cancer	7½	17 2,39	3,312	77 38 40,2	11,293	218
16608*	Monoceros....	8	17 2,63	2,962	95 33 17,9	11,293	265
16609	Lynx	8	17 5,19	3,779	57 17 40,9	11,296	319
16610	Monoceros....	8½	17 6,85	2,918	97 49 5,4	11,298	268
16611	Lynx	8½	17 6,85	3,779	57 17 39,2	11,298	221
16612	Monoceros....	8	17 10,28	2,852	101 7 40,1	11,302	270
16613	Hydra	8	17 11,26	3,098	88 31 28,8	11,303	263
16614	Monoceros....	9	17 12,82	2,723	107 25 31,6	11,305	282
16615	Monoceros....	5½	17 15,75	2,837	101 53 10,4	11,309	271
16616	Lynx	7½	17 16,11	4,448	38 42 23,8	11,309	564
16617	Monoceros....	8½	17 21,61	2,843	101 36 23,3	11,316	271
16618	Hydra	8	17 22,27	3,175	84 31 38,7	11,316	261
16619	Hydra	9	17 23,96	3,092	88 49 54,6	11,319	263
16620	Monoceros....	7	17 26,03	2,929	95 45 28,6	11,321	265
16621	Cancer	6½	17 26,67	3,363	75 8 11,1	11,322	52
16622	Lynx	7	17 27,71	4,577	36 13 17,2	11,323	382
16623	Hydra	7½	17 28,12	3,144	86 7 52,0	11,323	258
16624	Cancer	9½	17 29,76	3,407	73 1 24,0	11,326	256
16625	Lynx	8	17 36,36	4,707	33 58 50,6	11,333	384
16626	Cancer	8	17 40,27	3,221	82 12 2,6	11,338	273
16627	Hydra	7	17 41,18	2,997	93 45 43,5	11,339	259
16628	Malus.....	9	17 42,62	2,648	110 54 57,5	11,341	283
16629	Monoceros....	8	17 43,15	2,721	107 31 27,4	11,341	282
16630	Ursa Major ..	7½	17 44,31	4,925	30 43 44,6	11,343	381
16631	Cancer	7½	17 45,17	3,584	64 59 56,8	11,344	279
16632	Lynx	7½	17 45,44	4,019	49 17 11,7	11,344	55
16633	Cancer	9	17 45,93	3,294	78 30 41,7	11,345	218
16634	Cancer	7½	17 46,01	3,584	64 59 55,5	11,345	214
16635	Lynx	7½	17 46,20	4,019	49 17 9,8	11,345	215
16636	Cancer	7	17 46,51	3,584	65 0 5,2	11,346	286
16637	Cancer	8	17 47,68	3,628	63 9 1,2	11,347	146
16638	Cancer	8	17 47,79	3,628	63 9 8,1	11,347	146
16639	Cancer	7	17 50,18	3,217	82 22 46,9	11,350	273
16640	Lynx	7	8 17 51,44	+4,024	49 6 58,6	+11,352	55

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16641	Cancer	9	8 17 51.64	+3,495	65 55 4.0	+11,352	211
16642	Hydra	9	17 51.96	3,100	88 26 40.9	11,352	263
16643	Lynx	7	17 52.09	4,024	49 7 1.8	11,352	215
16644	Monoceros....	8½	17 57.34	2,943	96 34 7.1	11,359	265
16645	Hydra	7½	17 58.27	3,087	89 6 11.2	11,360	263
16646	Lynx	9	18 5.89	4,455	38 29 40.5	11,369	564
16647	Monoceros....	6	18 9.43	2,789	104 17 6.1	11,373	278
16648	Lynx	8½	18 14.40	4,446	38 40 20.7	11,379	564
16649	Puppis	7½	18 17.47	2,611	112 36 9.3	11,383	285
16650	Lynx	7	18 19.66	3,921	52 16 33.1	11,385	56
16651	Hydra	6	18 22.81	3,034	91 51 49.1	11,389	276
16652	Hydra	8½	18 23.96	3,000	93 37 54.3	11,391	259
16653	Monoceros....	9	18 26.57	2,761	105 38 26.4	11,394	280
16654	Puppis	7	18 27.76	2,607	112 47 16.1	11,395	285
16655	Monoceros....	8½	18 31.51	2,662	110 20 2.3	11,400	283
16656	Cancer	9	18 35.75	3,389	73 48 25.0	11,405	52
16657	Monoceros....	7	18 37.52	2,912	98 9 34.9	11,407	268
16658	Monoceros....	7	18 40.02	2,665	110 11 30.4	11,410	283
16659	Cancer	9	18 41.68	3,503	68 29 3.8	11,412	211
16660	Monoceros....	8½	18 41.76	2,941	96 41 29.6	11,412	265
16661	Lynx	7½	18 47.67	3,857	54 22 27.1	11,419	318
16662	Lynx	7½	18 48.06	3,857	54 22 31.6	11,420	220
16663	Cancer	7	18 48.97	3,245	80 55 33.9	11,421	211
16664	Monoceros....	9	18 53.61	2,836	102 0 44.2	11,426	271
16665	Cancer	9	18 55.10	3,622	63 19 0.8	11,428	146
16666	Lynx	9	18 55.84	3,772	57 24 47.2	11,429	319
16667	Cancer	8	19 1.76	3,286	78 52 31.6	11,436	218
16668	Monoceros....	8½	19 2.78	2,937	96 53 23.3	11,437	265
16669	Cancer	9	19 8.68	3,625	63 10 28.7	11,444	146
16670	Cancer	8½	19 9.16	3,625	63 10 33.8	11,445	146
16671	Monoceros....	8	19 9.33	2,789	104 19 44.5	11,445	278
16672	Lynx	8	19 11.89	4,087	47 11 49.2	11,448	54
16673	Monoceros....	7½	19 12.77	2,894	99 5 32.1	11,449	268
16674	Monoceros....	7½	19 13.44	2,894	99 5 37.1	11,450	270
16675	Cancer	8	19 16.34	3,615	63 35 57.3	11,454	286
16676	Hydra	7	19 18.50	3,064	90 18 6.3	11,456	51
16677	Cancer	9½	19 19.21	3,498	68 41 28.2	11,457	211
16678	Cancer	8	19 30.82	3,461	70 22 18.8	11,471	219
16679	Cancer	8	19 31.13	3,461	70 22 12.1	11,471	254
16680	Hydra	8	8 19 31.38	+3,087	89 4 6.7	+11,471	51

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16681	Hydra	8	8 19 31.46	+3,088	89 4 3.4	+11,471	263
16682	Monoceros....	7	19 36.30	2,767	105 24 34.7	11,477	278
16683	Monoceros....	7½	19 36.52	2,767	105 24 37.3	11,478	280
16684	Cancer	9½	19 37.55	3,365	74 54 26.7	11,479	52
16685	Cancer v ³	6	19 39.57	3,575	65 15 18.3	11,481	214
16686	Hydra	7½	19 39.71	3,083	89 19 13.9	11,482	263
16687	Cancer v ³	6	19 39.76	3,575	65 15 18.8	11,482	286
16688	Monoceros....	9	19 39.82	2,772	105 12 22.7	11,482	278
16689	Hydra	7½	19 39.90	3,083	89 19 16.3	11,482	51
16690	Monoceros....	9	19 39.97	2,772	105 12 22.4	11,482	280
16691	Lynx	7	19 42.94	3,777	57 9 56.1	11,485	319
16692	Lynx	8	19 42.95	3,777	57 9 54.4	11,485	274
16693	Lynx	8	19 43.23	3,777	57 9 54.4	11,486	213
16694	Lynx	7½	19 44.02	3,777	57 9 57.0	11,487	221
16695	Hydra	9	19 45.22	3,161	85 14 40.4	11,488	261
16696	Lynx	8½	19 45.26	4,080	47 20 13.6	11,488	54
16697	Lynx	9½	19 45.72	4,080	47 20 25.0	11,489	215
16698*	Lynx	9	19 47.62	4,373	40 4 18.5	11,491	383
16699	Cancer	9	19 48.78	3,337	76 19 47.4	11,492	216
16700	Lynx	9	19 51.51	3,844	54 46 24.6	11,496	318
16701	Lynx	9	19 51.85	3,843	54 46 30.4	11,496	220
16702	Malus.....	7½	19 52.49	2,618	112 24 55.1	11,497	285
16703	Lynx	7½	19 52.54	4,071	47 34 35.8	11,497	54
16704	Lynx	6	19 52.58	3,947	51 18 30.0	11,497	55
16705	Lynx	9	19 52.72	3,947	51 18 29.2	11,497	56
16706	Lynx	9	19 53.50	4,071	47 34 36.2	11,498	215
16707	Monoceros....	9	19 53.83	2,774	105 6 54.4	11,498	278
16708	Monoceros....	9	19 53.95	2,774	105 6 53.9	11,498	280
16709	Hydra	8½	19 56.25	3,137	86 29 44.2	11,501	258
16710	Monoceros....	8½	19 59.82	2,833	102 11 12.3	11,505	271
16711	Monoceros....	7	20 0.24	2,665	110 17 36.4	11,506	283
16712	Monoceros....	7½	20 0.28	2,711	108 5 51.5	11,506	282
16713	Lynx	9	20 2.06	3,784	56 53 39.3	11,508	213
16714	Lynx	8½	20 4.12	3,784	56 52 41.8	11,511	221
16715	Cancer	8	20 8.16	3,425	72 0 3.4	11,515	256
16716	Cancer 0	6	20 10.20	3,442	71 14 16.3	11,518	254
16717	Cancer 0	6½	20 10.33	3,441	71 14 20.9	11,518	219
16718	Cancer 0	5½	20 10.56	3,441	71 14 22.4	11,518	256
16719	Lynx	7½	20 11.28	3,838	54 56 42.8	11,519	318
16720	Cancer	7	8 20 11.45	+3,461	70 20 56.9	+11,519	219

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16721	Cancer	7	8 20 11.71	+3.461	70 20 51.3	+11.520	254
16722	Cancer	7	20 11.75	3.461	70 20 54.1	11.520	279
16723	Hydra	7½	20 12.16	3.037	91 43 14.2	11.520	276
16724	Lynx	7½	20 12.31	3.838	54 56 45.6	11.520	220
16725	Cancer	8½	20 14.14	3.313	77 28 56.1	11.523	218
16726	Monoceros....	8	20 16.09	2.880	99 48 37.1	11.525	270
16727	Cancer	7½	20 16.19	3.308	77 41 56.3	11.525	218
16728	Cancer	8	20 18.91	3.260	80 8 23.3	11.528	211
16729	Lynx	9	20 20.45	4.515	37 7 44.8	11.530	382
16730	Lynx	8	20 21.71	4.277	42 11 30.2	11.532	377
16731	Cancer	8	20 23.42	3.575	65 11 57.8	11.533	286
16732	Cancer	9	20 23.80	3.575	65 11 56.4	11.534	214
16733	Cancer	9	20 25.41	3.331	76 35 4.8	11.536	216
16734	Lynx	•	20 26.62	3.942	51 26 2.6	11.537	56
16735	Monoceros....	9	20 28.20	2.700	108 41 45.4	11.539	282
16736	Cancer	8½	20 30.55	3.217	82 19 51.4	11.542	273
16737	Lynx	7½	20 32.40	3.810	55 54 4.6	11.544	274
16738	Lynx	8	20 32.43	3.810	55 54 10.5	11.544	213
16739	Cancer	6	20 34.04	3.574	65 14 48.6	11.546	214
16740	Lynx	7	20 34.80	4.337	40 47 42.7	11.547	383
16741	Hydra	8	20 35.11	2.947	96 22 42.1	11.548	265
16742	Lynx	7	20 37.21	4.597	35 36 5.5	11.550	564
16743	Cancer	8½	20 37.94	3.710	59 37 33.8	11.551	53
16744	Malus.....	8½	20 41.35	2.658	110 37 16.0	11.555	283
16745	Hydra	8	20 42.24	3.108	87 59 57.5	11.556	263
16746	Lynx	8	20 45.89	3.877	53 31 58.5	11.560	318
16747	Hydra	8½	20 45.93	2.945	96 29 42.5	11.561	265
16748	Monoceros....	9	20 48.04	2.755	106 3 16.1	11.563	280
16749	Cancer	9	20 48.61	3.757	57 49 27.7	11.564	221
16750	Cancer	8	21 0.61	3.702	59 55 58.2	11.578	53
16751	Monoceros....	8	21 0.88	2.838	101 58 18.6	11.578	271
16752	Monoceros....	7	21 1.03	2.821	102 48 23.0	11.578	271
16753	Monoceros....	8½	21 1.05	2.753	106 9 0.8	11.578	280
16754	Cancer	9	21 1.32	3.704	59 52 11.1	11.579	53
16755	Cancer	6½	21 1.90	3.272	79 31 13.6	11.580	211
16756	Cancer	8½	21 2.20	3.383	74 0 11.2	11.580	52
16757	Hydra	8	21 3.44	3.044	91 20 30.5	11.581	276
16758	Cancer	8	21 7.00	3.351	75 31 52.7	11.586	216
16759	Lynx	8½	21 7.22	4.368	40 4 4.3	11.586	383
16760	Cancer	6	8 21 7.28	+3.491	68 53 18.9	+11.586	211

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			h	m	s	s	°	'	"
16761	Cancer	6	8	21	7.31	+3.491	68	53	23.8
16762	Cancer	8½		21	8.94	3.565	65	35	9.0
16763	Cancer	6½		21	9.56	3.573	65	14	42.1
16764	Hydra	9		21	14.07	3.034	91	51	28.7
16765	Monoceros	8		21	16.00	2.855	101	8	14.0
16766	Cancer	8½		21	17.34	3.340	76	4	57.4
16767	Hydra	8		21	17.44	3.104	88	11	14.1
16768	Monoceros	8½		21	18.35	2.667	110	14	12.2
16769	Hydra	9½		21	22.20	3.125	87	5	55.6
16770	Hydra	9½		21	24.42	3.079	89	31	4.6
16771	Cancer	9		21	31.46	3.650	61	59	8.5
16772	Cancer	9		21	31.95	3.650	61	59	1.6
16773*	Lynx	8½		21	33.10	4.718	33	29	4.4
16774	Monoceros	7		21	38.58	2.774	105	10	11.0
16775	Lynx	8		21	41.78	4.040	48	18	10.2
16776	Monoceros . . . . .	.		21	42.59	2.698	108	50	17.5
16777	Cancer	7		21	46.17	3.276	79	15	56.8
16778	Cancer	6		21	46.28	3.276	79	15	57.5
16779	Monoceros	8		21	46.41	2.788	104	31	11.0
16780	Cancer	9		21	47.61	3.489	68	56	24.2
16781	Lynx	7		21	50.08	3.893	52	54	9.2
16782	Ursa Major	9		21	52.62	5.045	28	52	32.9
16783	Lynx	7½		21	53.20	4.725	33	20	6.4
16784	Hydra	8		21	58.77	3.152	85	39	23.0
16785	Cancer	9		22	4.15	3.651	61	54	25.8
16786	Cancer	9		22	4.18	3.651	61	54	31.7
16787	Cancer	8		22	7.85	3.300	78	3	42.3
16788	Monoceros	9		22	8.36	2.751	106	20	17.9
16789	Hydra	7½		22	8.51	3.191	83	36	56.1
16790	Cancer	7½		22	10.49	3.598	64	5	39.3
16791	Lynx	8		22	15.08	4.369	39	56	54.8
16792	Cancer	8		22	21.94	3.390	73	35	34.2
16793	Hydra	8		22	21.97	2.985	94	26	23.4
16794	Lynx	9½		22	22.77	3.792	56	24	24.4
16795	Monoceros	7½		22	23.87	2.697	108	54	38.2
16796	Cancer	9		22	27.79	3.569	65	21	7.1
16797	Cancer	8		22	28.92	3.345	75	46	40.5
16798	Cancer	8		22	29.05	3.396	73	17	38.9
16799	Monoceros	5½		22	31.49	2.695	109	0	45.8
16800	Hydra	7½	8	22	35.15	+3.022	92	30	36.5

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			h m s	s	° ' "	"	
16801	Monoceros....	8	8 22 39.05	+2,665	110 24 35.9	+11,695	283
16802	Cancer	7	22 39.11	3,339	76 4 5.8	11,695	216
16803	Cancer	7	22 39.76	3,339	76 4 7.8	11,696	279
16804	Lynx	7	22 42.85	4,092	46 44 35.3	11,700	54
16805	Ursa Major ..	7½	22 45.39	4,999	29 22 37.9	11,703	382
16806	Cancer	10	22 54.31	3,569	65 18 52.3	11,713	214
16807	Cancer	8	22 56.92	3,445	70 55 41.3	11,716	219
16808	Cancer	9	22 59.42	3,512	67 49 53.3	11,719	211
16809	Lynx	10	23 0.70	3,787	56 31 58.8	11,721	213
16810	Cancer	8½	23 2.07	3,413	72 26 32.5	11,722	256
16811	Cancer	9	23 2.77	3,628	62 46 19.8	11,723	146
16812	Cancer	7½	23 3.26	3,286	78 44 22.5	11,724	218
16813	Malus.....	9½	23 5.36	2,650	111 8 12.4	11,726	283
16814	Hydra	6	23 10.15	3,173	84 34 9.9	11,732	261
16815	Hydra	9	23 10.45	3,077	89 38 6.5	11,732	51
16816	Hydra	7	23 14.59	2,983	94 32 59.9	11,737	259
16817	Monoceros....	6	23 15.67	2,792	104 21 37.7	11,738	278
16818	Monoceros....	8½	23 16.69	2,690	109 17 45.8	11,740	283
16819	Monoceros....	6½	23 17.31	2,804	103 44 52.8	11,740	278
16820	Hydra	8	23 20.60	2,981	94 39 14.2	11,744	259
16821	Lynx	5	23 21.16	4,566	35 54 56.3	11,745	382
16822	Lynx	9	23 25.60	4,265	42 11 41.2	11,750	377
16823	Cancer	6	23 25.70	3,244	80 52 20.3	11,750	211
16824	Hydra	7½	23 26.84	3,026	92 18 11.2	11,751	276
16825	Cancer	8½	23 27.36	3,611	63 28 22.1	11,752	286
16826	Lynx	8	23 27.64	3,994	49 32 58.3	11,753	55
16827	Lynx	8	23 29.96	3,982	49 54 3.6	11,755	55
16828	Hydra	8	23 32.10	3,112	87 44 25.7	11,758	263
16829	Cancer	9	23 33.79	3,627	62 46 35.9	11,760	147
16830	Monoceros....	8½	23 41.02	2,771	105 25 1.4	11,768	280
16831	Cancer	8½	23 42.65	3,491	68 45 24.6	11,770	211
16832	Cancer	8	23 43.39	3,290	78 29 7.4	11,771	218
16833	Cancer	7	23 48.39	3,469	69 43 57.1	11,777	279
16834	Cancer	7	23 48.45	3,469	69 43 55.3	11,777	219
16835	Cancer	7	23 48.97	3,469	69 43 51.3	11,778	254
16836	Hydra	9	23 53.41	2,997	93 49 39.1	11,783	259
16837	Hydra	6½	23 54.06	3,042	91 28 38.0	11,784	51
16838	Monoceros....	9	23 56.55	2,768	105 33 9.1	11,787	280
16839	Hydra	7	23 57.11	3,187	83 49 13.8	11,787	261
16840	Lynx	7	8 24 2.89	+4,537	36 23 20.1	+11,794	382

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			h m s	s	° ' "	"	
16841	Lynx	6½	8 24 2.93	+4.537	36 23 20.1	+11.794	564
16842	Hydra	9	24 3.30	2.964	95 34 40.7	11.795	266
16843	Cancer	7½	24 7.07	3.299	78 2 10.9	11.799	218
16844	Hydra	8½	24 8.67	2.960	95 48 26.3	11.801	266
16845	Cancer	8½	24 9.07	3.485	68 59 22.9	11.801	211
16846	Cancer	8½	24 10.26	3.679	60 36 48.1	11.803	53
16847	Cancer	7½	24 11.81	3.568	65 16 13.5	11.805	214
16848	Monoceros....	8	24 12.41	2.789	104 31 48.7	11.805	278
16849	Cancer	7	24 13.02	3.568	65 16 12.7	11.806	286
16850	Cancer	8	24 13.32	3.473	69 32 56.2	11.806	254
16851	Cancer	8	24 13.43	3.473	69 32 58.0	11.806	279
16852	Cancer	8	24 13.44	3.473	69 32 58.2	11.806	219
16853	Lynx	9	24 14.22	4.060	47 30 51.3	11.808	215
16854	Cancer	9	24 15.28	3.243	80 52 41.5	11.809	211
16855	Cancer	9	24 18.42	3.310	77 26 12.2	11.812	218
16856	Monoceros....	7	24 19.25	2.771	105 26 3.6	11.814	280
16857	Malus	8	24 21.01	2.641	111 39 19.1	11.815	285
16858	Hydra	8	24 21.60	3.031	92 2 29.8	11.816	276
16859	Lynx	6	24 22.88	4.525	36 36 1.2	11.818	564
16860	Lynx	7	24 23.18	4.525	36 36 8.7	11.818	382
16861	Hydra	9	24 24.22	3.110	87 50 13.1	11.819	263
16862	Monoceros....	9	24 24.22	2.849	101 32 12.6	11.819	271
16863	Monoceros....	9	24 24.55	2.849	101 32 11.1	11.820	270
16864	Monoceros....	8½	24 26.62	2.806	103 43 17.0	11.822	278
16865	Malus	8	24 27.90	2.638	111 47 16.4	11.824	285
16866	Hydra	9	24 28.10	2.925	97 36 59.5	11.824	268
16867	Cancer	9	24 29.45	3.314	77 14 59.9	11.826	218
16868	Cancer	9	24 30.96	3.315	77 11 54.9	11.827	218
16869	Hydra	7½	24 32.04	3.030	92 4 37.9	11.829	276
16870	Hydra	9	24 34.98	2.958	95 54 45.6	11.832	266
16871	Cancer	8	24 39.02	3.611	63 22 51.8	11.837	147
16872	Cancer	8	24 39.49	3.343	75 47 41.1	11.837	216
16873	Cancer	8	24 43.17	3.485	68 58 40.0	11.842	211
16874	Cancer	8	24 43.60	3.611	63 22 53.9	11.842	148
16875	Cancer	8	24 44.00	3.611	63 22 43.9	11.842	146
16876	Cancer	7½	24 44.19	3.611	63 22 54.2	11.843	286
16877	Lynx	•	24 44.53	3.986	49 40 15.9	11.843	55
16878	Monoceros....	8	24 45.31	2.847	101 40 12.2	11.844	271
16879	Monoceros....	8	24 45.56	2.847	101 40 7.7	11.844	270
16880	Hydra	9	8 24 46.14	+3.004	93 28 36.4	+11.845	259

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			h m s	s	° ' "	"	
16881	Hydra	7½	8 24 51.93	+3,089	88° 57' 27.4"	+11,852	263
16882	Cancer	7	24 53.48	3,379	74 0 14.8	11,854	52
16883	Cancer	8	24 53.88	3,379	74 0 17.0	11,854	279
16884	Ursa Major ..	8½	24 54.00	5,178	27 5 58.7	11,854	382
16885	Cancer	9	24 58.12	3,503	68 7 46.2	11,859	211
16886	Hydra	6½	24 59.11	3,134	86 34 35.4	11,861	258
16887	Cancer	8	25 1.40	3,420	72 0 11.4	11,863	256
16888	Cancer .....	.	25 2.49	3,271	79 24 33.6	11,864	211
16889	Cancer	8	25 3.26	3,348	75 32 29.9	11,865	216
16890*	Cancer	9	25 4.12	3,399	73 0 1.7	11,866	52
16891	Cancer	8½	25 5.46	3,347	75 33 0.9	11,868	216
16892	Malus.....	8	25 6.01	2,648	111 21 29.5	11,868	283
16893	Cancer	7	25 11.50	3,667	61 1 6.0	11,875	146
16894	Cancer	8	25 11.84	3,667	61 1 9.8	11,875	53
16895	Hydra	7	25 12.54	3,208	82 41 28.0	11,876	273
16896	Hydra	8	25 12.84	3,208	82 41 18.0	11,877	273
16897	Lynx	9	25 19.10	4,696	33 31 1.7	11,884	384
16898	Lynx	8	25 19.92	3,768	57 1 33.8	11,885	213
16899	Lynx	7	25 19.95	3,768	57 1 40.5	11,885	319
16900	Lynx	8	25 20.02	3,768	57 1 39.3	11,885	274
16901	Hydra	9	25 20.57	2,875	100 14 56.8	11,886	270
16902	Lynx	9½	25 22.46	3,769	57 0 17.5	11,888	319
16903	Lynx	8½	25 22.64	3,902	52 17 32.2	11,888	56
16904	Lynx	8	25 22.68	4,690	33 37 11.8	11,888	384
16905	Cancer	9	25 27.11	3,309	77 27 42.4	11,893	218
16906	Hydra	9	25 30.94	3,074	89 45 16.9	11,898	51
16907	Lynx	8	25 31.37	3,766	57 5 25.9	11,898	213
16908	Lynx	7½	25 31.39	3,766	57 5 34.4	11,898	274
16909	Lynx	7	25 31.53	3,766	57 5 34.6	11,898	319
16910	Cancer	8	25 32.07	3,306	77 36 52.7	11,900	218
16911	Cancer	8½	25 37.03	3,302	77 49 43.0	11,905	218
16912	Hydra	9	25 37.94	3,073	89 47 57.0	11,906	51
16913	Hydra	9	25 39.00	2,853	101 22 30.2	11,907	271
16914	Monoceros....	9	25 39.34	2,714	108 17 12.1	11,907	282
16915	Cancer	9	25 39.69	3,415	71 59 9.3	11,908	256
16916	Hydra	8	25 42.45	3,121	87 16 7.9	11,911	258
16917	Hydra	6	25 42.49	2,932	97 18 4.9	11,911	266
16918	Hydra	6	25 42.58	2,932	97 18 6.7	11,911	268
16919	Cancer	25 46.37	3,616	63 4 37.0	11,916	148
16920	Cancer	8	8 25 46.64	+3,616	63 4 33.9	+11,916	147

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			h m s	s	° ' "	"	
16921	Cancer	8	8 25 46.75	+3,616	63 4 36.9	+11,916	146
16922	Cancer	8	25 47.32	3,616	63 4 36.2	11,917	286
16923	Lynx	6½	25 47.48	3,781	56 30 45.0	11,917	274
16924	Lynx	6	25 47.51	3,781	56 30 38.5	11,917	213
16925	Cancer	8½	25 51.61	3,486	68 49 48.1	11,922	211
16926	Cancer	9	25 51.63	3,418	72 3 39.5	11,922	256
16927	Monoceros....	8	26 0.44	2,662	110 46 48.4	11,932	283
16928	Hydra	9	26 0.53	2,878	100 6 36.4	11,932	270
16929	Cancer	8	26 5.91	3,470	69 34 45.8	11,939	219
16930	Ursa Major ..	9	26 7.36	4,749	32 36 57.5	11,940	382
16931	Cancer	8½	26 10.59	3,465	69 47 31.8	11,944	254
16932	Cancer	9	26 10.83	3,465	69 47 41.1	11,945	219
16933	Cancer	7½	26 11.46	3,611	63 15 13.4	11,945	286
16934	Cancer	8	26 11.54	3,611	63 15 14.3	11,945	146
16935	Cancer	8	26 11.55	3,611	63 15 13.2	11,945	147
16936	Cancer c¹	6	26 14.62	3,266	79 39 34.3	11,949	211
16937	Malus	7½	26 15.93	2,645	111 34 16.9	11,951	285
16938	Hydra	8	26 16.13	2,713	108 21 31.6	11,951	282
16939	Cancer	6½	26 17.50	3,460	70 2 44.1	11,953	279
16940	Cancer	6	26 17.64	3,460	70 2 46.3	11,953	219
16941	Cancer	7	26 17.77	3,460	70 2 46.1	11,953	254
16942	Lynx	9	26 18.02	3,833	54 34 32.9	11,953	220
16943	Hydra	7½	26 18.04	2,869	100 36 28.3	11,953	270
16944	Cancer	7½	26 18.55	3,725	58 35 59.8	11,954	221
16945	Ursa Major ..	8	26 27.14	5,057	28 22 18.9	11,964	383
16946	Lynx	8½	26 29.80	4,038	47 56 40.2	11,967	215
16947	Hydra	9	26 29.88	3,017	92 49 32.1	11,967	276
16948	Hydra	8½	26 30.01	2,863	100 55 9.4	11,967	270
16949	Hydra	8	26 30.26	3,223	81 52 2.0	11,967	273
16950	Lynx	8½	26 31.13	3,839	54 20 58.7	11,968	220
16951	Lynx	9	26 34.67	4,140	45 4 4.5	11,972	54
16952	Hydra	9	26 37.52	3,209	82 35 56.1	11,976	273
16953	Hydra	8	26 38.10	3,195	83 19 23.5	11,977	261
16954	Cancer	8	26 39.26	3,360	74 50 20.7	11,978	52
16955	Lynx	7	26 40.62	3,855	53 47 22.3	11,980	318
16956	Lynx	7½	26 40.70	3,855	53 47 24.4	11,980	220
16957	Cancer	9	26 45.42	3,577	64 41 13.7	11,985	148
16958	Lynx	8	26 48.21	4,141	45 1 11.6	11,988	54
16959	Cancer	8	26 49.53	3,479	69 6 20.7	11,990	211
16960	Hydra	8	8 26 52.01	+3,209	82 35 3.2	+11,993	273

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			h m s	s	° ' "	"	
16961	Hydra	9	8 26 52.41	+3,006	93 23 1.6	+11,993	259
16962	Hydra	8	26 56.83	2,833	102 28 5.0	11,998	271
16963	Hydra	8	26 57.40	2,794	104 26 23.8	11,999	278
16964	Cancer	7½	26 58.11	3,555	65 36 58.6	12,000	214
16965	Hydra	9	27 0.28	2,899	99 1 40.7	12,003	268
16966	Cancer	8	27 1.19	3,300	77 51 43.4	12,004	218
16967	Lynx	7	27 2.12	3,771	56 47 31.5	12,005	274
16968	Lynx	6½	27 2.31	3,771	56 47 32.0	12,005	213
16969	Hydra δ	4	27 3.29	3,190	83 36 29.2	12,006	324
16970	Hydra δ	4	27 3.44	3,190	83 36 32.1	12,006	261
16971	Cancer	8	27 6.04	3,474	69 19 16.0	12,009	211
16972	Cancer	8½	27 6.16	3,474	69 19 9.5	12,009	254
16973	Lynx	5	27 7.79	4,199	43 28 40.5	12,011	352
16974	Cancer	8	27 8.53	3,413	72 15 2.1	12,012	256
16975	Lynx	9	27 9.32	4,001	48 58 39.1	12,013	215
16976	Lynx	8½	27 9.92	4,267	41 49 19.0	12,014	377
16977	Cancer	8½	27 11.31	3,572	64 51 32.9	12,015	148
16978	Lynx	8	27 13.62	3,758	57 15 50.0	12,018	319
16979	Lynx	9	27 14.32	3,758	57 15 51.0	12,019	221
16980	Cancer c²	6½	27 14.56	3,264	79 44 6.7	12,019	211
16981	Cancer	9	27 16.93	3,585	64 18 44.5	12,022	286
16982	Cancer	9	27 22.89	3,320	76 49 20.1	12,029	216
16983	Hydra	9	27 24.63	2,736	107 20 10.5	12,031	282
16984	Lynx	7	27 25.72	3,776	56 34 39.3	12,032	274
16985	Lynx	6½	27 26.12	3,776	56 34 42.9	12,033	213
16986	Hydra	9	27 28.82	2,961	95 47 1.9	12,036	266
16987	Hydra	6½	27 29.43	2,990	94 14 49.0	12,036	259
16988	Cancer	8	27 32.46	3,474	69 18 29.1	12,040	211
16989	Hydra	8	27 32.94	2,801	104 4 52.4	12,041	278
16990	Malus.....	8½	27 34.07	2,618	112 53 59.2	12,042	285
16991	Cancer	8	27 35.37	3,467	69 37 49.3	12,043	219
16992	Cancer	8	27 35.58	3,467	69 37 51.9	12,044	254
16993	Lynx	8	27 38.56	3,990	49 17 17.4	12,047	215
16994	Cancer	9	27 38.84	3,465	69 42 56.4	12,048	219
16995	Lynx	7½	27 43.40	3,931	51 8 37.3	12,053	55
16996	Lynx	8	27 43.65	3,931	51 8 42.3	12,053	56
16997	Hydra	9	27 44.32	2,795	104 24 5.8	12,054	278
16998	Cancer	9	27 47.41	3,260	79 54 23.0	12,057	211
16999	Lynx	8	27 47.75	3,783	56 17 46.8	12,058	213
17000	Lynx	6½	8 27 52.64	+3,754	57 21 46.0	+12,064	274

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			h m s	s	° ' "	"	
17001	Hydra	7½	8 27 52,76	+2,723	107 59 26,6	+12,064	282
17002	Lynx	6	27 52,85	3,754	57 21 47,0	12,064	319
17003	Lynx	6½	27 53,66	3,754	57 21 50,2	12,065	221
17004	Hydra	8	27 54,48	2,777	105 19 51,9	12,066	280
17005	Hydra	9	27 58,87	2,955	96 7 58,1	12,071	266
17006	Lynx	7	28 0,78	3,789	56 1 42,7	12,073	213
17007	Hydra	7½	28 2,86	3,095	88 37 3,4	12,075	263
17008	Hydra	7½	28 2,87	2,955	96 7 11,0	12,075	266
17009	Hydra	9	28 3,56	3,048	91 10 42,3	12,076	51
17010	Cancer	9	28 4,40	3,274	79 9 38,5	12,077	218
17011	Hydra	6	28 5,90	2,845	101 53 50,9	12,079	271
17012	Cancer	9	28 10,19	3,420	71 49 36,8	12,084	256
17013	Cancer	8	28 10,98	3,475	69 13 11,2	12,085	211
17014	Cancer	7	28 12,09	3,468	69 31 36,9	12,086	254
17015	Hydra	9	28 12,34	2,958	95 56 55,6	12,087	266
17016	Cancer	7	28 12,41	3,468	69 31 41,3	12,087	219
17017	Cancer	9	28 13,21	3,329	76 20 27,9	12,088	216
17018	Hydra	8½	28 14,70	2,919	98 2 52,8	12,089	268
17019	Hydra	7½	28 16,54	2,916	98 11 20,2	12,091	268
17020	Hydra σ	4½	28 17,54	3,145	85 57 55,1	12,093	258
17021	Lynx	8	28 17,71	3,870	53 7 5,9	12,093	318
17022	Lynx	8½	28 17,94	3,870	53 6 54,2	12,093	220
17023	Hydra	8	28 18,81	2,846	101 50 47,8	12,094	271
17024	Cancer f	8	28 20,53	3,463	69 45 52,2	12,096	254
17025	Cancer f	7	28 20,82	3,463	69 45 56,7	12,096	219
17026	Cancer	8	28 23,54	3,392	73 9 43,3	12,100	52
17027	Cancer	8	28 23,55	3,392	73 9 44,4	12,100	256
17028	Hydra .....	.	28 24,82	2,843	102 0 56,5	12,101	271
17029	Lynx	8	28 25,04	3,864	53 19 57,1	12,101	318
17030	Lynx	8	28 25,16	3,864	53 19 51,4	12,101	220
17031	Hydra	7	28 28,75	2,958	95 58 12,7	12,105	266
17032	Hydra	6½	28 30,03	2,861	101 3 5,3	12,107	270
17033	Hydra	8	28 30,06	3,225	81 43 58,2	12,107	273
17034	Ursa Major ..	9	28 30,45	4,786	31 50 32,2	12,108	382
17035	Cancer	6½	28 34,65	3,473	69 17 46,7	12,112	254
17036	Cancer	7	28 34,95	3,473	69 17 49,4	12,113	211
17037	Cancer	7	28 34,99	3,473	69 17 51,2	12,113	219
17038	Cancer	6½	28 39,69	3,233	81 17 12,5	12,118	211
17039	Cancer	6½	28 39,82	3,233	81 17 14,6	12,119	273
17040	Cancer	7½	8 28 39,97	+3,472	69 19 59,2	+12,119	219

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			h m s	s	° ' "	"	
17041	Cancer	7	8 28 40.14	+3,472	69 19 58.8	+12,119	254
17042	Cancer	7	28 40.44	3,472	69 20 0.5	12,119	211
17043	Hydra	9	28 45.50	2,996	93 57 27.5	12,125	259
17044	Lynx	8	28 47.62	4,291	41 6 5.9	12,127	383
17045	Cancer	7	28 51.81	3,462	69 45 31.8	12,132	219
17046	Cancer	8	28 54.42	3,301	77 45 13.8	12,135	218
17047	Hydra	8	28 56.99	2,690	109 37 19.5	12,138	283
17048	Malus.....	8½	28 57.11	2,614	113 11 27.1	12,139	285
17049	Lynx	7	29 1.66	4,236	42 23 42.9	12,144	377
17050	Hydra	8	29 4.79	3,191	83 31 26.2	12,148	261
17051	Lynx	9½	29 5.15	3,813	55 4 47.9	12,148	220
17052	Hydra	9	29 5.37	3,104	88 8 34.7	12,148	263
17053	Hydra	9	29 5.49	3,191	83 31 2.4	12,148	261
17054	Hydra	8	29 5.87	2,955	96 9 13.5	12,149	266
17055	Lynx	8½	29 7.46	3,925	51 12 42.8	12,151	55
17056	Lynx	8	29 8.10	3,925	51 12 45.0	12,151	56
17057	Cancer	9	29 8.41	3,291	78 14 59.6	12,152	218
17058	Lynx	8½	29 11.08	4,318	40 25 53.5	12,155	383
17059	Lynx	8½	29 12.08	4,318	40 25 59.5	12,156	383
17060	Hydra	8½	29 12.14	2,736	107 23 12.2	12,156	282
17061	Cancer	7½	29 12.71	3,466	69 35 2.2	12,157	254
17062	Cancer	7½	29 13.03	3,466	69 35 0.1	12,157	279
17063	Hydra	9	29 13.72	2,758	106 18 34.3	12,158	280
17064	Hydra	9	29 17.55	3,149	85 45 26.9	12,162	258
17065	Hydra	8½	29 22.33	2,804	104 1 48.7	12,168	278
17066	Hydra	7½	29 25.11	3,008	93 19 57.0	12,171	276
17067	Hydra	9	29 25.73	2,992	94 9 49.3	12,172	259
17068	Cancer	7	29 26.71	3,462	69 43 17.3	12,173	279
17069	Cancer	7½	29 26.71	3,462	69 43 14.3	12,173	254
17070	Cancer	8½	29 26.97	3,356	74 55 22.1	12,173	52
17071	Cancer	7½	29 26.98	3,462	69 43 18.9	12,173	219
17072	Lynx	9	29 31.91	3,788	55 55 41.0	12,179	213
17073	Hydra	7	29 34.04	3,205	82 44 21.9	12,181	273
17074	Hydra	8½	29 35.31	2,805	103 58 47.4	12,183	278
17075	Lynx	8	29 36.25	3,954	50 14 7.3	12,184	55
17076	Cancer	7	29 36.82	3,288	78 22 38.8	12,185	218
17077	Hydra	8	29 39.99	3,207	82 37 33.8	12,188	273
17078	Cancer	7	29 41.57	3,481	68 49 24.2	12,190	212
17079	Hydra	7	29 46.05	2,843	102 2 30.9	12,195	271
17080	Hydra	8½	8 29 46.24	+3,216	82 9 23.0	+12,196	273

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17081	Lynx	7	h m s 8 29 52.49	+3,810	55 5 41.4	+12,203	322
17082	Lynx	7½	29 52.51	3,810	55 5 45.9	12,203	318
17083	Lynx	7½	29 52.69	3,810	55 5 42.6	12,203	274
17084	Lynx	8	29 52.70	3,810	55 5 41.2	12,203	220
17085	Hydra	7½	29 55.15	3,118	87 22 48.0	12,206	258
17086	Hydra	8	29 55.18	2,779	105 20 14.4	12,206	280
17087	Hydra	7	29 55.35	3,118	87 22 49.3	12,206	263
17088	Cancer	9	29 58.16	3,667	60 38 9.5	12,209	53
17089	Hydra	8½	29 59.09	2,911	98 30 3.6	12,210	268
17090	Cancer	8	30 0.96	3,267	79 28 33.1	12,213	211
17091	Hydra	6½	30 7.95	2,704	109 2 32.8	12,221	282
17092	Lynx	8	30 9.40	3,944	50 29 16.7	12,222	55
17093	Cancer	9	30 9.86	3,566	64 56 17.1	12,223	148
17094	Cancer	9	30 10.14	3,553	65 29 59.3	12,223	214
17095	Cancer	8½	30 11.31	3,553	65 30 4.6	12,224	148
17096	Cancer	9	30 11.92	3,332	76 5 53.1	12,225	216
17097	Hydra	7½	30 14.71	2,809	103 47 23.6	12,228	278
17098	Cancer	7½	30 19.53	3,467	69 25 26.6	12,234	219
17099	Cancer	7	30 19.61	3,467	69 25 22.2	12,234	254
17100	Ursa Major ..	8	30 19.94	4,774	31 52 17.2	12,235	382
17101	Cancer	8	30 20.50	3,290	78 15 0.8	12,235	218
17102	Hydra	9	30 22.33	2,722	108 9 32.3	12,237	282
17103	Malus	6	30 22.80	2,642	111 59 23.5	12,238	285
17104	Hydra	7	30 22.82	2,734	107 34 2.5	12,238	283
17105	Lynx	7½	30 23.11	3,746	57 26 0.0	12,238	221
17106	Lynx	9½	30 30.13	3,743	57 34 0.1	12,246	221
17107	Hydra	5½	30 32.80	2,849	101 46 33.0	12,249	271
17108	Hydra	5½	30 32.94	2,849	101 46 33.4	12,250	270
17109	Hydra	9	30 34.14	3,009	93 17 10.2	12,251	259
17110	Hydra	7	30 42.43	2,754	106 35 39.3	12,261	280
17111	Lynx	7½	30 43.44	3,879	52 34 39.7	12,262	56
17112	Cancer	8½	30 44.15	3,447	70 21 44.3	12,263	254
17113	Cancer	8	30 44.34	3,447	70 21 45.7	12,263	219
17114	Hydra	9	30 46.27	3,005	93 31 14.9	12,265	259
17115	Cancer	9½	30 46.70	3,327	76 19 28.5	12,265	216
17116	Hydra	9	30 46.85	2,958	96 0 31.3	12,266	266
17117	Cancer	9	30 48.24	3,671	60 24 27.6	12,267	53
17118	Hydra	9	30 49.76	2,938	97 6 20.5	12,269	266
17119	Lynx	8	30 52.61	4,049	47 11 37.7	12,272	215
17120	Lynx	8½	8 30 54.08	+3,769	56 32 31.8	+12,274	213

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17121	Hydra	8	8 30 57.22	+3,100	88 20 25.5	+12,277	263
17122	Hydra	9	30 58.30	3,045	91 18 35.6	12,279	276
17123	Hydra	7½	31 3.14	2,806	103 59 49.8	12,284	278
17124	Hydra	8½	31 3.93	3,131	86 41 13.0	12,285	258
17125	Hydra	7½	31 10.31	2,855	101 28 7.9	12,293	271
17126	Hydra	7½	31 10.49	2,855	101 28 5.5	12,293	270
17127	Hydra	8	31 11.74	2,860	101 13 36.0	12,294	271
17128	Hydra	8	31 12.05	2,860	101 13 31.7	12,295	270
17129	Lynx	8	31 12.47	4,068	46 36 40.5	12,295	54
17130	Cancer	9½	31 13.81	3,335	75 55 13.2	12,297	216
17131	Lynx	7	31 19.12	3,884	52 22 7.8	12,303	56
17132	Lynx	9	31 19.31	3,830	54 15 5.9	12,303	220
17133	Hydra	7	31 19.63	2,915	98 20 58.4	12,304	268
17134	Lynx	8½	31 19.74	3,830	54 15 9.9	12,304	322
17135	Hydra	8½	31 26.66	2,919	98 8 47.8	12,311	268
17136	Lynx	9	31 31.93	4,171	43 6 55.4	12,318	377
17137	Hydra	8	31 32.65	2,679	110 18 45.2	12,318	283
17138	Lynx	9	31 33.40	4,309	40 24 34.8	12,319	383
17139	Cancer	8	31 37.15	3,395	72 50 34.6	12,324	256
17140	Cancer	8	31 37.62	3,395	72 50 38.3	12,324	52
17141	Lynx	7½	31 38.04	4,102	45 38 14.0	12,325	54
17142	Hydra	7½	31 39.66	2,815	103 35 24.0	12,326	278
17143	Cancer γ	4	31 41.69	3,500	67 49 15.0	12,329	214
17144	Cancer γ	4	31 41.88	3,500	67 49 12.7	12,329	212
17145	Cancer γ	4½	31 42.71	3,500	67 49 21.0	12,330	148
17146	Cancer γ	4	31 42.72	3,500	67 49 19.3	12,330	286
17147	Hydra	8½	31 43.30	2,754	106 38 11.7	12,331	280
17148	Cancer	8½	31 44.65	3,430	71 8 33.4	12,332	254
17149	Cancer	8½	31 44.75	3,430	71 8 31.0	12,332	219
17150	Hydra	8½	31 46.18	2,958	96 2 17.7	12,334	266
17151	Hydra	9	31 46.48	3,061	90 26 34.2	12,334	51
17152	Hydra	8	31 48.35	2,683	110 7 53.9	12,336	283
17153	Lynx	7	31 50.55	3,748	57 13 43.7	12,339	274
17154	Lynx	7	31 50.61	3,748	57 13 39.6	12,339	213
17155	Lynx	6½	31 50.69	3,748	57 13 48.3	12,339	319
17156	Lynx	7	31 51.74	3,748	57 13 46.2	12,340	221
17157	Lynx	7½	31 52.12	4,046	47 11 37.3	12,341	54
17158	Hydra	8	31 52.20	3,167	84 42 19.0	12,341	261
17159	Cancer	8	31 52.98	3,629	62 3 53.2	12,342	146
17160	Cancer	8	8 31 53.13	+3,627	62 8 57.3	+12,342	147

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17161	Lynx	9½	8	31	55.35	+4.033	47	34	56.3	+12.344	215
17162	Lynx	9		31	58.53	3.887	52	12	3.9	12.348	56
17163	Hydra	7		32	4.63	3.027	92	20	37.2	12.355	276
17164	Hydra	8		32	4.84	2.924	97	51	17.0	12.356	268
17165	Cancer	8½		32	5.40	3.349	75	10	35.4	12.356	52
17166	Cancer A¹	6		32	9.97	3.320	76	36	40.2	12.362	216
17167	Lynx	8		32	15.50	4.099	45	39	0.2	12.363	54
17168	Hydra	8		32	18.72	2.712	108	44	58.3	12.371	282
17169	Hydra	5½		32	26.42	2.783	105	13	53.8	12.380	278
17170	Hydra	5½		32	26.51	2.783	105	14	0.4	12.380	280
17171	Hydra	8½		32	29.62	2.924	97	52	32.1	12.384	268
17172	Lynx .....	.		32	32.11	3.924	50	56	3.0	12.387	55
17173	Hydra	7½		32	36.90	3.002	93	42	1.7	12.392	259
17174	Hydra	9		32	37.81	2.736	107	37	14.5	12.393	282
17175	Hydra .....	.		32	38.30	2.860	101	15	27.4	12.394	271
17176	Hydra	6½		32	38.41	2.860	101	15	25.0	12.394	270
17177	Malus.....	7½		32	43.93	2.656	111	29	22.6	12.400	285
17178	Malus.....	7		32	44.04	2.656	111	29	21.9	12.401	283
17179	Cancer	8½		32	45.06	3.486	68	24	37.6	12.402	212
17180	Hydra η	4		32	45.15	3.145	85	53	26.5	12.402	211
17181	Hydra η	4		32	45.70	3.145	85	53	30.8	12.402	258
17182	Lynx	7½		32	46.04	3.891	51	59	30.1	12.403	56
17183	Hydra	7		32	46.11	2.926	97	47	25.9	12.403	268
17184	Cancer	8½		32	46.96	3.338	75	39	55.3	12.404	216
17185	Cancer	8½		32	47.43	3.292	78	1	40.3	12.404	218
17186	Hydra	8		32	51.39	3.033	91	59	12.5	12.409	276
17187	Cancer	7		32	51.84	3.256	79	56	57.6	12.409	324
17188	Lynx	8		32	59.21	3.777	56	2	51.0	12.418	274
17189	Lynx	8		32	59.31	3.777	56	2	46.9	12.418	213
17190	Cancer	8½		32	59.40	3.340	75	32	25.1	12.418	216
17191	Cancer	8½		33	1.15	3.274	79	0	26.7	12.420	218
17192	Malus.....	7½		33	2.15	2.660	111	19	21.0	12.421	285
17193	Malus.....	7		33	2.46	2.660	111	19	22.0	12.422	283
17194	Cancer σ¹	6		33	2.95	3.711	58	35	21.9	12.422	319
17195	Cancer σ¹	6		33	4.34	3.711	58	35	20.6	12.424	221
17196	Cancer	9		33	11.18	3.276	78	52	28.5	12.431	218
17197	Hydra	9½		33	12.64	2.925	97	49	24.2	12.433	268
17198	Hydra	9		33	16.49	3.063	90	21	12.7	12.438	51
17199	Cancer δ	4		33	17.92	3.428	71	7	10.9	12.439	256
17200	Cancer δ	4	8	33	17.94	+3.428	71	7	14.7	+12.439	254

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17201	Cancer δ	4	8 33 18.04	+3.428	71 7 9.3	+12.440	219
17202	Lynx	9	33 19.07	3.892	51 54 25.3	12.441	56
17203	Cancer δ	4	33 19.48	3.428	71 7 12.3	12.441	148
17204	Cancer	8	33 25.63	3.655	60 50 28.1	12.448	53
17205*	Ursa Major ..	9	33 27.33	5.088	27 26 50.0	12.450	383
17206	Hydra	6½	33 28.42	3.162	84 57 12.8	12.451	261
17207	Lynx	7½	33 31.75	3.785	55 41 46.8	12.455	274
17208	Lynx	7½	33 31.77	3.785	55 41 45.8	12.455	213
17209	Hydra	9	33 32.22	3.168	84 38 36.2	12.455	261
17210	Lynx	7½	33 33.04	3.911	51 14 19.7	12.457	55
17211	Hydra	9	33 33.40	2.953	96 21 45.0	12.457	266
17212	Malus	7½	33 42.54	2.653	111 40 38.6	12.467	285
17213	Hydra	9	33 42.76	3.130	86 42 27.5	12.468	258
17214	Hydra	9	33 46.42	2.950	96 30 24.5	12.472	266
17215	Hydra	9½	33 50.06	2.760	106 29 12.4	12.476	280
17216	Hydra	4	33 50.35	2.950	96 31 10.5	12.476	259
17217	Hydra	4½	33 50.58	2.950	96 31 15.6	12.477	266
17218	Hydra	9	33 50.95	3.041	91 33 0.8	12.477	276
17219	Cancer δ	6	33 52.96	3.269	79 12 11.1	12.479	218
17220	Cancer δ	6	33 52.99	3.269	79 12 11.8	12.479	211
17221	Cancer	9	33 53.49	3.653	60 53 34.3	12.480	53
17222	Cancer	8½	33 55.01	3.442	70 24 31.8	12.482	219
17223	Cancer	9	33 56.52	3.474	68 53 19.4	12.483	212
17224	Cancer	8	34 0.25	3.371	73 56 23.7	12.488	52
17225	Cancer	7	34 5.29	3.441	70 28 2.9	12.493	219
17226	Cancer	7	34 5.42	3.441	70 28 1.1	12.493	254
17227	Hydra	8	34 7.21	3.167	84 42 31.5	12.496	261
17228	Hydra	9	34 7.30	3.223	81 39 46.2	12.496	273
17229	Hydra	7½	34 8.70	2.822	103 19 47.4	12.497	278
17230	Hydra	7½	34 8.70	2.822	103 19 40.3	12.497	271
17231	Cancer	8	34 9.16	3.365	74 14 6.1	12.498	52
17232	Cancer	8½	34 10.87	3.581	63 55 41.6	12.500	148
17233	Cancer	8	34 11.84	3.633	61 41 6.7	12.501	147
17234	Cancer	8	34 18.91	3.466	69 15 27.9	12.509	212
17235	Lynx	9	34 19.74	3.771	56 8 12.3	12.510	213
17236	Lynx	9	34 19.89	3.771	56 8 13.3	12.510	274
17237	Cancer	8	34 20.58	3.445	70 14 0.7	12.511	219
17238	Cancer	8½	34 20.63	3.445	70 13 58.9	12.511	254
17239	Hydra	6	34 25.08	3.187	83 36 14.3	12.516	273
17240	Hydra	8½	8 34 27.89	+3.114	87 34 35.6	+12.519	263

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17241	Lynx	8½	8 34 29.24	+4.025	47 33 28.7	+12.521	54
17242	Lynx	9	34 29.84	4.025	47 33 32.9	12.521	215
17243	Cancer	8½	34 31.11	3.660	60 30 50.0	12.523	53
17244	Ursa Major ..	9	34 31.52	4.315	39 50 17.9	12.523	383
17245	Hydra	8½	34 32.42	2.802	104 21 0.1	12.524	278
17246	Cancer	5	34 34.11	3.660	60 31 12.0	12.526	53
17247	Hydra	9	34 36.32	2.764	106 17 54.6	12.529	280
17248	Lynx	9	34 36.93	3.862	52 49 23.5	12.529	56
17249	Cancer	7	34 47.57	3.477	68 39 42.4	12.542	212
17250	Cancer	7	34 49.51	3.473	68 52 12.7	12.544	212
17251	Cancer	8	34 49.90	3.514	66 55 40.9	12.544	214
17252	Cancer	9	34 55.40	3.330	76 0 44.2	12.551	216
17253	Cancer	9	34 56.03	3.583	63 48 23.8	12.551	148
17254	Lynx	•	34 56.31	3.955	49 40 54.1	12.552	55
17255	Hydra	6½	35 1.85	3.168	84 36 48.5	12.558	261
17256	Cancer	7½	35 1.90	3.645	61 6 59.5	12.558	147
17257	Hydra	8	35 4.20	2.932	97 32 1.6	12.561	268
17258	Hydra	7	35 7.41	3.086	89 5 2.0	12.564	263
17259	Hydra	6½	35 7.50	3.086	89 5 1.6	12.564	51
17260	Cancer	8	35 9.64	3.413	71 46 56.0	12.567	256
17261	Cancer	8	35 11.30	3.266	79 19 44.1	12.569	324
17262	Hydra	6½	35 14.01	3.035	91 53 1.8	12.572	276
17263	Hydra	9	35 15.40	2.745	107 17 40.0	12.573	282
17264	Hydra	9	35 15.43	2.745	107 17 37.0	12.573	280
17265	Hydra	7½	35 18.44	2.700	109 33 5.4	12.577	283
17266	Cancer	9	35 18.79	3.470	68 53 4.9	12.577	212
17267	Hydra	7½	35 26.08	2.955	96 15 33.1	12.586	266
17268	Lynx	9	35 26.51	4.071	46 7 41.8	12.586	54
17269	Cancer	7½	35 31.25	3.278	78 41 13.9	12.591	218
17270	Lynx	8	35 40.08	3.807	54 40 32.5	12.601	220
17271	Lynx	7½	35 40.26	3.807	54 40 30.5	12.601	322
17272	Cancer	7	35 46.38	3.238	80 48 4.5	12.608	324
17273	Lynx	9	35 46.98	4.001	48 10 2.7	12.609	215
17274	Cancer	9	35 49.87	3.639	61 17 44.9	12.612	147
17275	Ursa Major ..	8½	35 50.82	4.750	31 44 36.2	12.613	382
17276	Hydra	6	35 53.03	3.046	91 19 50.1	12.616	51
17277	Malus.....	7	35 54.88	2.627	113 4 6.7	12.618	285
17278	Cancer	9½	35 55.27	3.549	65 15 6.3	12.618	148
17279	Cancer.... A ²	6	35 57.12	3.306	77 9 53.9	12.621	216
17280	Cancer	8½	8 35 57.20	+3.461	69 21 23.2	+12.621	254

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17281	Cancer	8	8 35 57.39	+3,461	69 21 20.2	+12,621	219
17282	Cancer <i>A</i> ²	6	35 57.84	3,306	77 9 55.0	12,621	218
17283	Hydra	6	35 59.06	2,682	110 27 5.2	12,623	283
17284	Hydra	8½	35 59.57	3,161	84 57 43.3	12,623	261
17285	Hydra	8½	36 0.87	2,956	96 14 30.2	12,625	266
17286	Hydra	8	36 2.16	3,094	88 37 53.2	12,626	263
17287	Lynx	7	36 3.53	3,913	50 55 46.4	12,628	55
17288	Cancer	8	36 6.73	3,369	73 56 49.6	12,631	52
17289	Cancer	9½	36 7.45	3,458	69 28 55.5	12,632	219
17290	Hydra <i>a</i>	4	36 10.76	3,200	82 51 25.5	12,636	273
17291	Cancer	8	36 10.79	3,293	77 51 28.0	12,636	218
17292	Ursa Major ..	8½	36 11.15	4,789	31 8 30.8	12,637	382
17293	Cancer	8½	36 15.24	3,288	78 6 53.4	12,641	218
17294	Cancer	8½	36 15.25	3,288	78 7 1.4	12,641	218
17295	Hydra	8	36 15.63	2,838	102 33 46.6	12,642	271
17296	Lynx	9	36 18.62	4,044	46 49 49.7	12,645	54
17297	Hydra	8½	36 25.12	3,024	92 29 48.4	12,652	276
17298	Hydra	8	36 28.65	2,965	95 46 22.0	12,656	266
17299	Ursa Major ..	9	36 29.21	4,309	39 55 34.2	12,657	383
17300	Hydra	9	36 29.89	2,750	107 6 14.2	12,658	282
17301	Hydra	9	36 29.91	2,750	107 6 12.3	12,658	280
17302	Hydra	6	36 31.07	2,881	100 17 10.3	12,659	270
17303	Cancer	8	36 32.59	3,698	58 47 32.7	12,661	221
17304	Hydra	6½	36 32.63	2,885	100 6 18.7	12,661	270
17305	Cancer	9	36 35.94	3,307	77 6 20.0	12,665	216
17306	Hydra	7½	36 39.19	3,162	84 55 3.3	12,668	261
17307	Cancer	9½	36 44.29	3,455	69 35 56.8	12,674	219
17308	Ursa Major . <i>b</i>	9	36 44.83	5,078	27 18 13.6	12,675	383
17309	Cancer	8	36 46.63	3,409	71 52 41.4	12,677	256
17310	Cancer	9	36 49.10	3,550	65 8 38.5	12,680	148
17311	Hydra	7½	36 50.74	2,926	97 55 3.2	12,681	268
17312	Cancer	9	36 51.74	3,476	68 34 26.9	12,682	212
17313	Hydra	5½	36 55.39	2,834	102 49 25.6	12,686	278
17314	Hydra	5	36 55.39	2,834	102 49 27.8	12,686	271
17315	Hydra	9	36 56.11	2,929	97 44 47.7	12,687	268
17316	Cancer	9	37 0.16	3,363	74 9 42.3	12,692	52
17317	Cancer	9	37 2.44	3,414	71 37 7.1	12,695	256
17318	Hydra	5½	37 6.32	3,048	91 10 22.5	12,699	276
17319	Hydra	5½	37 6.45	3,048	91 10 20.2	12,699	51
17320	Hydra	8½	8 37 7.84	+2,960	96 2 1.0	+12,701	266

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17321	Cancer	8½	8 37 10.48	+3,468	68° 56' 6.3	+12,704	212
17322	Hydra	8	37 18.41	3,084	89 11 48.5	12,712	263
17323	Hydra	9	37 18.92	3,083	89 15 1.7	12,713	263
17324	Hydra	8	37 19.50	3,204	82 36 21.3	12,714	273
17325	Hydra	8	37 20.11	2,699	109 42 28.1	12,715	283
17326	Cancer	8½	37 20.67	3,295	77 41 24.1	12,715	218
17327	Lynx	7½	37 21.15	3,779	55 32 58.4	12,716	274
17328	Lynx	8	37 21.37	3,779	55 32 54.6	12,716	213
17329	Lynx	8½	37 22.10	3,824	53 53 4.2	12,717	220
17330	Lynx	8	37 22.42	3,824	53 53 5.0	12,717	322
17331	Hydra	8½	37 35.07	3,128	86 46 52.5	12,731	258
17332	Cancer	8	37 35.21	3,671	59 49 12.8	12,732	53
17333	Hydra	6½	37 37.97	2,733	108 1 57.2	12,735	282
17334	Lynx	8	37 38.49	4,165	43 19 54.3	12,735	352
17335	Lynx	8	37 38.52	3,814	54 13 49.5	12,735	220
17336	Cancer	7½	37 38.83	3,313	76 43 27.9	12,736	216
17337	Lynx	7½	37 38.90	3,814	54 13 47.3	12,736	322
17338	Cancer	8½	37 39.74	3,608	62 28 16.5	12,737	147
17339	Cancer	8½	37 44.49	3,314	76 40 30.8	12,742	216
17340	Lynx	9½	37 45.46	4,044	46 40 42.2	12,743	54
17341	Hydra	7½	37 47.83	3,129	86 41 26.4	12,746	258
17342	Lynx	9	37 48.24	3,843	53 9 33.1	12,746	56
17343	Malus.....	8½	37 48.71	2,653	111 58 18.1	12,747	285
17344	Lynx	8½	37 48.95	3,989	48 19 35.4	12,747	215
17345	Hydra p	5	37 49.77	3,189	83 25 25.9	12,748	261
17346	Lynx	8	37 51.58	3,865	52 23 22.5	12,750	56
17347	Hydra	8	37 55.42	3,093	88 42 58.7	12,754	263
17348	Hydra	9	37 55.42	2,836	102 45 0.7	12,754	271
17349	Cancer	9	38 2.51	3,471	68 45 43.4	12,762	212
17350	Ursa Major ..	7½	38 2.70	4,581	34 19 14.2	12,763	384
17351	Hydra	8	38 3.46	3,202	82 41 19.6	12,763	273
17352	Lynx	6½	38 4.51	3,766	55 58 40.8	12,765	274
17353	Lynx	6	38 4.59	3,766	55 58 41.1	12,765	213
17354	Ursa Major ..	9	38 6.52	4,228	41 41 17.5	12,767	377
17355	Hydra	6½	38 7.70	2,768	106 19 31.5	12,768	280
17356	Hydra	8½	38 7.84	2,702	109 35 54.3	12,768	284
17357	Hydra	7½	38 8.13	3,129	86 42 25.4	12,769	258
17358	Hydra	8	38 8.33	2,835	102 48 1.9	12,769	271
17359	Lynx	6½	38 8.95	3,813	54 12 12.3	12,769	322
17360	Lynx	7	8 38 9.08	+3,813	54 12 12.6	+12,770	220

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			h m s	s	° ' "	"	
17361	Hydra	9	8 38 10.28	+1,736	108 6 8.8	+12,771	282
17362	Hydra	6½	38 11.98	2,964	95 49 44.6	12,773	266
17363	Hydra	9	38 12.05	3,130	86 39 31.3	12,773	258
17364	Cancer	9	38 12.64	3,480	68 19 32.9	12,774	212
17365	Hydra	4½	38 17.42	3,188	83 25 52.8	12,779	273
17366	Hydra	7½	38 19.46	3,037	91 47 32.2	12,781	276
17367	Ursa Major ..	8½	38 23.26	4,328	39 19 6.7	12,786	383
17368	Lynx	7½	38 23.51	3,806	54 26 36.6	12,786	322
17369	Lynx	8	38 23.91	3,806	54 26 30.9	12,786	220
17370	Hydra	7	38 25.87	3,064	90 18 50.9	12,789	51
17371	Hydra	9	38 26.75	2,735	107 59 3.0	12,789	282
17372	Hydra	8	38 28.04	2,939	97 14 32.5	12,791	268
17373	Ursa Major ..	7½	38 28.73	4,442	36 53 0.8	12,792	382
17374	Lynx	6	38 31.35	4,138	43 56 56.1	12,795	352
17375	Hydra	8½	38 32.56	3,191	83 18 22.9	12,796	261
17376	Ursa Major ..	8½	38 34.78	4,719	31 58 45.9	12,799	382
17377	Cancer	8	38 34.99	3,305	77 5 56.6	12,799	217
17378	Lynx	9	38 35.29	4,035	46 50 5.6	12,799	54
17379	Lynx	8	38 38.67	3,803	54 32 18.7	12,803	322
17380	Lynx	9	38 40.05	3,803	54 32 21.1	12,804	220
17381	Cancer	7½	38 42.16	3,244	80 24 5.1	12,807	324
17382	Cancer	9½	38 45.13	3,525	66 8 14.2	12,810	214
17383	Hydra	9	38 45.27	3,186	83 33 11.5	12,810	261
17384	Cancer	8½	38 46.88	3,356	74 25 59.9	12,812	52
17385	Cancer	9½	38 48.03	3,356	74 26 9.3	12,813	52
17386	Cancer	7½	38 49.38	3,607	62 26 14.9	12,815	147
17387	Lynx	6	38 52.91	4,020	47 15 24.0	12,819	54
17388	Lynx	6½	38 53.62	4,020	47 15 30.8	12,820	215
17389	Cancer	9	38 59.89	3,288	78 0 47.0	12,827	218
17390	Hydra	8	39 6.52	2,989	94 30 24.3	12,834	259
17391	Hydra	7	39 8.09	3,209	82 15 6.1	12,836	273
17392	Hydra	8½	39 13.81	2,730	108 17 50.1	12,842	282
17393	Hydra	7½	39 15.05	3,109	87 47 5.2	12,844	263
17394	Hydra	9	39 15.20	2,957	96 16 43.1	12,844	266
17395	Hydra	8	39 16.35	3,233	80 59 28.0	12,845	324
17396	Hydra	5½	39 18.28	3,021	92 42 34.5	12,847	276
17397	Hydra	7	39 19.13	3,201	82 43 3.9	12,848	273
17398	Cancer	7½	39 19.18	3,418	71 15 46.2	12,848	256
17399	Cancer	8	39 19.87	3,418	71 15 44.9	12,849	279
17400	Cancer	6½	8 39 20.60	+3,435	70 25 54.3	+12,850	219

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			h m s	s	° ' "	"	
17401	Cancer	7	8 39 21.00	+3.435	70 25 55.1	+12,850	254
17402	Cancer	9	39 22.61	3.291	77 51 27.9	12,852	218
17403	Hydra	9½	39 25.70	2,955	96 22 26.4	12,856	266
17404	Hydra	9	39 28.03	2,886	100 8 3.5	12,858	270
17405	Malus.....	8½	39 28.41	2,672	111 9 34.4	12,859	284
17406	Hydra	8	39 30.24	3,125	86 53 54.1	12,861	258
17407	Hydra	9	39 33.72	2,851	102 0 12.0	12,865	271
17408	Ursa Major ..	8½	39 34.62	4,723	31 49 48.4	12,866	382
17409	Lynx	8½	39 35.50	3,843	52 59 43.2	12,867	56
17410	Cancer	9	39 36.37	3,418	71 13 51.1	12,868	256
17411	Hydra	6½	39 45.41	2,886	100 9 10.6	12,878	270
17412	Hydra	8	39 46.21	3,026	92 16 6.0	12,879	276
17413	Cancer	9½	39 48.94	3,320	76 16 42.9	12,882	217
17414	Cancer	9	39 49.51	3,482	68 10 53.3	12,882	212
17415	Hydra	8½	39 50.32	2,928	97 52 48.8	12,883	268
17416	Hydra	7	39 50.80	2,884	100 17 12.1	12,884	270
17417	Cancer	7	39 52.19	3,365	73 55 1.8	12,885	279
17418	Hydra	7½	39 55.23	2,927	97 54 2.9	12,889	268
17419	Hydra	7	39 55.56	2,798	104 49 43.6	12,889	278
17420	Lynx	8½	39 56.15	3,961	48 58 12.4	12,890	215
17421	Cancer	6	39 57.85	3,378	73 15 54.1	12,892	279
17422	Cancer	6½	39 58.56	3,675	59 24 24.1	12,892	319
17423	Cancer	7½	39 59.30	3,675	59 24 24.4	12,893	53
17424	Cancer	6½	40 0.18	3,675	59 24 55.1	12,894	221
17425	Cancer	9	40 6.28	3,579	63 31 57.2	12,901	147
17426*	Cancer	8	40 8.20	3,579	63 32 30.2	12,903	147
17427	Hydra	8	40 10.12	2,742	107 43 35.4	12,905	271
17428	Cancer	8½	40 10.26	3,412	71 30 26.7	12,905	256
17429	Cancer	6	40 11.30	3,740	56 47 10.3	12,906	213
17430	Cancer	6	40 11.33	3,740	56 47 13.9	12,906	274
17431	Ursa Major ..	9	40 14.48	4,463	36 18 1.2	12,910	382
17432	Hydra	9	40 17.81	2,790	105 17 45.8	12,914	278
17433	Ursa Major ..	8	40 17.96	4,455	36 27 33.3	12,914	382
17434	Hydra	9	40 17.97	2,790	105 17 46.4	12,914	280
17435	Lynx	7½	40 19.66	3,799	54 30 41.9	12,916	322
17436	Lynx	8	40 19.73	3,799	54 30 38.4	12,916	220
17437	Cancer	8½	40 22.38	3,566	64 6 6.8	12,919	148
17438	Hydra	7½	40 22.75	3,008	93 27 11.8	12,919	259
17439	Hydra	7	40 22.77	3,008	93 27 14.6	12,919	276
17440	Lynx	8	8 40 26.27	+3,864	52 10 50.3	+12,923	56

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			h m s	s	° ' "	"	
17441	Cancer	8	8 40 28.40	+3,303	77 7 58.2	+12,926	217
17442	Cancer	8	40 29.27	3,303	77 7 55.2	12,927	218
17443	Cancer	9	40 33.80	3,453	69 27 14.5	12,932	219
17444	Hydra	7½	40 36.98	2,999	93 57 48.1	12,935	259
17445	Cancer	9	40 38.96	3,434	70 21 50.6	12,938	219
17446	Hydra	9	40 39.03	2,882	100 24 9.7	12,938	270
17447	Hydra	9	40 43.84	2,728	108 29 49.8	12,943	282
17448	Hydra	6½	40 46.20	2,692	110 18 35.3	12,946	284
17449	Hydra	9½	40 47.34	2,728	108 28 43.7	12,947	282
17450	Hydra	8½	40 47.41	3,091	88 47 32.5	12,947	263
17451	Cancer	7½	40 49.19	3,676	59 17 39.7	12,949	53
17452	Cancer	6½	40 49.35	3,676	59 17 43.1	12,949	319
17453	Cancer	7	40 49.97	3,676	59 17 44.2	12,950	221
17454	Cancer	8	40 51.33	3,299	77 21 59.6	12,951	217
17455	Cancer	7½	40 52.01	3,299	77 22 1.7	12,952	218
17456	Cancer	8½	40 54.13	3,443	69 54 30.2	12,955	219
17457	Hydra	9	40 59.40	3,122	87 2 19.7	12,960	258
17458	Ursa Major ..	9	41 0.37	4,917	28 55 0.7	12,961	383
17459	Cancer	7½	41 1.34	3,284	78 7 24.7	12,963	218
17460	Lynx	8	41 10.68	3,926	50 0 7.9	12,973	55
17461	Malus.....	8½	41 12.04	2,632	113 12 57.3	12,974	285
17462	Cancer	7½	41 13.64	3,419	71 4 2.2	12,976	256
17463	Cancer	8	41 13.92	3,419	71 4 0.2	12,977	254
17464	Lynx	6½	41 16.51	3,818	53 42 59.7	12,979	56
17465	Lynx	6	41 17.22	3,818	53 42 57.0	12,980	220
17466	Lynx	6	41 17.80	3,818	53 43 0.3	12,981	322
17467	Hydra	9	41 18.05	3,159	84 58 42.4	12,981	261
17468	Lynx	8	41 19.31	4,066	45 39 36.8	12,983	54
17469	Hydra	9	41 22.89	2,914	98 41 8.7	12,987	268
17470	Lynx	8	41 23.39	3,800	54 23 5.5	12,987	220
17471	Lynx	7½	41 23.70	3,800	54 23 8.9	12,987	322
17472	Lynx	8	41 25.10	3,952	49 6 43.2	12,989	55
17473	Lynx	8½	41 25.25	3,952	49 6 46.8	12,989	215
17474	Hydra	8	41 26.35	2,691	110 24 26.3	12,990	284
17475	Cancer	8½	41 26.61	3,752	56 11 46.1	12,991	213
17476	Cancer	8	41 26.73	3,752	56 11 54.8	12,991	274
17477	Hydra	9	41 28.59	2,835	102 56 33.2	12,993	271
17478	Cancer	8½	41 28.83	3,323	76 1 12.1	12,993	217
17479	Hydra	8½	41 29.81	2,791	105 18 21.1	12,994	278
17480	Hydra	6½	8 41 29.98	+3,228	81 10 57.5	+12,994	324

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17481	Hydra	7½	8 41 32.19	+3,163	84 47 30.1	+12,997	261
17482	Hydra	8	41 33.65	3,024	92 32 34.7	12,998	276
17483	Ursa Major ..	7½	41 34.73	4,677	32 21 34.0	13,000	382
17484	Cancer	9	41 34.87	3,286	77 59 47.6	13,000	218
17485	Hydra	9	41 34.97	3,206	82 20 56.7	13,000	273
17486	Hydra	8	41 36.50	2,920	98 22 54.7	13,002	268
17487	Lynx	8	41 37.47	3,804	54 11 38.5	13,003	220
17488	Lynx	7½	41 37.79	3,804	54 11 41.7	13,003	322
17489	Hydra	8	41 41.83	2,835	102 59 24.4	13,007	271
17490	Hydra	6	41 43.97	2,955	96 26 6.0	13,010	266
17491	Hydra	9	41 44.85	2,692	110 20 55.8	13,011	284
17492	Ursa Major ..	9	41 48.07	4,917	28 51 8.1	13,014	383
17493	Ursa Major ..	7	41 49.37	4,761	31 1 50.8	13,016	382
17494*	Cancer	8½	41 49.89	3,453	69 20 37.7	13,016	147
17495	Cancer .....	.	41 54.42	3,403	71 53 4.0	13,021	279
17496	Cancer	7	41 54.55	3,403	71 53 4.4	13,022	256
17497	Cancer	9	41 55.01	3,441	69 55 59.9	13,022	254
17498	Cancer	8	41 55.51	3,441	69 55 55.4	13,023	219
17499	Cancer.... σ ²	5	42 0.24	3,689	58 40 23.6	13,028	319
17500	Hydra	8½	42 0.25	2,920	98 22 50.8	13,028	268
17501	Cancer.... σ ²	5½	42 1.19	3,689	58 40 24.0	13,029	221
17502	Cancer	9	42 2.18	3,677	59 7 44.3	13,030	221
17503	Hydra	8½	42 9.39	2,804	104 39 17.2	13,038	278
17504	Malus.....	8	42 10.51	2,667	111 37 5.9	13,039	285
17505	Cancer	9	42 11.03	3,540	65 9 27.4	13,040	148
17506	Ursa Major ..	9	42 11.91	4,900	29 2 1.5	13,041	383
17507	Cancer	9	42 11.96	3,248	80 3 22.0	13,041	324
17508	Cancer	8	42 12.23	3,679	59 2 16.4	13,041	221
17509	Hydra	9	42 13.53	2,883	100 23 41.9	13,042	270
17510	Hydra	8	42 17.60	2,704	109 46 35.7	13,047	284
17511	Cancer	8½	42 21.99	3,723	57 15 6.5	13,052	319
17512	Cancer	7½	42 24.58	3,602	62 19 42.0	13,055	147
17513	Cancer	9	42 26.06	3,502	66 56 54.5	13,057	212
17514	Cancer	7	42 27.15	3,454	69 17 12.3	13,058	254
17515	Cancer	7	42 27.84	3,454	69 17 10.0	13,058	219
17516	Cancer	7	42 32.27	3,405	71 42 27.3	13,064	256
17517	Hydra	8½	42 33.01	3,222	81 28 34.6	13,064	273
17518	Lynx	8	42 33.92	3,945	49 12 16.8	13,065	55
17519	Lynx	9	42 34.28	3,945	49 12 14.2	13,066	215
17520	Cancer	7½	8 42 35.31	+3,741	56 30 20.1	+13,067	274

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			h m s	s	° ' "	"	
17521	Cancer	9	8 42 35.33	+3,283	78° 6' 10.1	+13,067	218
17522	Cancer	8	42 35.42	3,741	56 30 20.7	13,067	213
17523	Cancer	8½	42 36.92	3,345	74 50 32.4	13,069	52
17524	Cancer	7½	42 36.93	3,344	74 50 38.4	13,069	279
17525	Cancer	7½	42 41.05	3,333	75 25 23.6	13,073	217
17526	Lynx	8	42 41.17	4,064	45 34 18.2	13,073	55
17527	Hydra	9	42 42.40	3,080	89 24 43.7	13,075	51
17528	Cancer	7½	42 43.25	3,499	67 1 46.6	13,076	212
17529	Cancer	8	42 43.86	3,499	67 1 44.1	13,076	214
17530	Hydra	9	42 44.85	2,700	110 1 29.6	13,077	284
17531	Hydra	8	42 46.38	2,776	106 9 40.6	13,079	280
17532	Cancer	9	42 48.36	3,445	69 40 34.4	13,081	219
17533	Ursa Major ..	9	42 49.15	4,892	29 5 33.0	13,082	383
17534	Hydra	7½	42 50.18	2,853	102 3 31.9	13,083	271
17535	Lynx	7½	42 50.31	3,803	54 7 41.7	13,083	322
17536	Lynx	8	42 52.08	3,803	54 7 40.7	13,085	220
17537	Hydra	9	42 52.98	3,152	85 20 37.9	13,086	258
17538	Lynx	7	42 54.59	4,138	43 28 58.8	13,088	352
17539	Lynx	7	42 55.07	4,143	43 21 1.6	13,088	377
17540	Cancer	9	42 56.08	3,397	72 4 27.8	13,090	256
17541	Hydra	6½	43 1.23	2,845	102 29 18.7	13,095	271
17542	Hydra	7½	43 7.73	2,743	107 52 21.4	13,103	282
17543	Hydra	8½	43 11.87	3,117	87 20 17.1	13,107	263
17544	Lynx	5	43 13.68	4,132	43 36 47.0	13,109	352
17545	Lynx	6	43 13.77	4,126	43 46 52.6	13,109	377
17546	Lynx	8	43 15.06	3,831	53 3 4.0	13,111	56
17547	Hydra	7½	43 15.69	2,798	105 0 23.0	13,111	278
17548	Hydra	8	43 16.06	3,196	82 54 3.0	13,112	273
17549	Hydra	8	43 17.51	2,873	100 58 16.3	13,114	270
17550	Hydra	9	43 17.98	3,152	85 20 5.0	13,114	258
17551	Ursa Major ..	9	43 20.04	4,243	40 46 1.7	13,116	383
17552	Cancer	9	43 21.38	3,341	75 0 27.6	13,118	279
17553	Cancer	8½	43 21.85	3,341	75 28.9	13,118	52
17554	Hydra	9	43 24.34	2,706	109 47 22.0	13,121	284
17555	Lynx	8½	43 26.86	3,837	52 47 56.8	13,124	56
17556	Lynx	6½	43 28.52	3,947	49 2 34.1	13,126	55
17557	Cancer	9	43 28.65	3,386	72 38 17.6	13,126	256
17558	Lynx	7	43 28.92	3,947	49 2 40.3	13,126	215
17559	Lynx	8	43 29.61	3,809	53 50 38.6	13,127	220
17560	Hydra	7	8 43 29.81	+3,115	87 25 32.2	+13,127	263

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			h	m	s		°	'	"		
17561	Lynx	7½	8	43	29.93	+3,809	53	50	42.6	+13,127	322
17562	Hydra	7½		43	30.20	2,973	95	27	49.7	13,127	259
17563	Cancer p ³	6		43	38.95	3,623	61	19	11.6	13,137	147
17564	Cancer p ³	6		43	39.27	3,623	61	19	9.6	13,138	53
17565	Cancer	8½		43	41.51	3,350	74	28	55.4	13,140	52
17566	Hydra	9		43	47.16	2,978	95	10	27.1	13,146	259
17567	Ursa Major ..	8½		43	50.49	5,027	27	17	31.6	13,150	383
17568	Hydra	6½		43	50.50	2,776	106	12	5.1	13,150	280
17569	Cancer	8½		43	52.50	3,349	74	31	8.5	13,152	52
17570	Hydra	7		43	53.30	2,880	100	38	41.4	13,153	270
17571	Hydra	9		43	55.50	3,138	86	7	34.5	13,155	258
17572	Hydra	7½		43	56.43	3,180	83	47	4.9	13,156	261
17573	Lynx	9		44	2.23	3,981	47	54	22.6	13,163	215
17574	Hydra	9		44	2.33	2,806	104	38	13.6	13,163	278
17575	Hydra	9		44	2.66	2,978	95	10	15.2	13,163	259
17576	Cancer	6½		44	6.06	3,400	72	1	0.0	13,167	256
17577	Hydra	9		44	7.10	3,120	87	9	32.6	13,168	258
17578	Hydra	9		44	7.16	3,120	87	9	36.8	13,168	263
17579	Cancer	8		44	14.09	3,750	55	59	2.9	13,176	274
17580	Cancer	8		44	14.12	3,750	55	59	9.6	13,176	213
17581	Lynx	9		44	16.82	3,857	51	59	59.7	13,178	56
17582	Hydra	9		44	20.63	2,846	102	31	54.3	13,183	271
17583	Cancer	9½		44	23.83	3,515	66	10	23.7	13,187	214
17584	Cancer	7		44	26.70	3,544	64	47	40.8	13,190	148
17585	Hydra	8½		44	28.38	2,976	95	17	40.6	13,191	259
17586	Hydra	7½		44	29.84	2,928	98	■	35.3	13,193	268
17587	Hydra	9		44	30.25	3,070	89	57	45.6	13,194	51
17588	Lynx	7		44	30.80	3,796	54	13	9.9	13,194	322
17589	Lynx	7½		44	30.92	3,796	54	13	12.2	13,194	220
17590	Malus	8		44	31.22	2,658	112	14	42.1	13,194	285
17591	Hydra	8		44	33.11	3,118	87	13	50.7	13,197	258
17592	Hydra	8		44	33.17	3,118	87	13	52.0	13,197	263
17593	Cancer	8½		44	33.32	3,338	75	3	47.5	13,197	52
17594	Cancer	5½		44	33.74	3,741	56	19	50.3	13,197	274
17595	Cancer	5½		44	33.96	3,741	56	19	50.0	13,197	213
17596	Hydra	8		44	38.63	2,803	104	50	4.7	13,203	278
17597	Hydra	8		44	45.60	3,129	86	37	4.7	13,210	258
17598	Malus	9		44	45.90	2,657	112	16	57.6	13,211	285
17599	Hydra ζ	4		44	48.77	3,188	83	18	6.2	13,214	261
17600	Hydra ζ	4	8	44	48.83	+3,188	83	18	3.8	+13,214	273

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17601	Hydra	7½	8 44 51.24	+3,181	83 40 49.9	+13,217	261
17602	Cancer	9½	44 54.12	3,739	56 20 37.3	13,220	274
17603	Hydra	8½	44 54.34	2,710	109 40 42.5	13,220	283
17604	Hydra	6½	44 54.93	3,020	92 48 13.9	13,221	276
17605	Lynx	8	44 57.30	3,885	50 58 40.0	13,223	55
17606	Lynx	8	44 57.98	3,885	50 58 40.2	13,224	56
17607	Lynx	6½	44 58.68	3,885	50 58 37.2	13,225	320
17608	Cancer	9	44 59.51	3,555	64 14 4.5	13,226	148
17609	Cancer	5	44 59.52	3,290	77 37 10.0	13,226	218
17610	Hydra	6½	45 2.30	2,881	100 37 29.4	13,229	270
17611	Hydra	8	45 6.01	2,945	97 3 51.6	13,233	266
17612	Hydra	6½	45 17.60	3,028	92 23 29.0	13,246	276
17613	Cancer	7½	45 20.83	3,619	61 19 6.1	13,249	147
17614	Ursa Major...	3½	45 26.68	4,217	41 11 2.8	13,255	377
17615	Cancer	7½	45 27.69	3,400	71 45 34.6	13,257	256
17616	Cancer	7	45 30.01	3,488	67 22 55.8	13,259	212
17617	Cancer	7	45 30.65	3,488	67 22 52.2	13,260	214
17618	Hydra	6½	45 34.34	3,034	92 2 17.3	13,264	276
17619	Cancer	9	45 34.45	3,305	76 48 36.2	13,264	217
17620	Lynx	9	45 35.48	3,763	55 19 52.4	13,265	213
17621	Hydra	8½	45 37.59	3,098	88 21 26.5	13,267	263
17622	Malus.....	7½	45 39.14	2,649	112 46 15.1	13,269	285
17623	Hydra	7½	45 39.14	2,800	105 1 39.7	13,269	278
17624	Hydra	6½	45 40.93	2,882	100 36 53.6	13,271	270
17625	Hydra	6	45 41.14	2,943	97 12 50.1	13,271	266
17626	Hydra	6	45 41.31	2,943	97 12 49.9	13,271	268
17627	Lynx	7	45 47.48	4,126	43 29 50.4	13,278	352
17628	Cancer.... σ³	6½	45 48.09	3,672	59 0 32.4	13,279	53
17629	Cancer.... σ³	6½	45 48.76	3,672	59 0 27.3	13,280	221
17630	Lynx	6½	45 49.96	3,813	53 26 11.9	13,281	220
17631	Lynx	6	45 50.84	3,813	53 26 12.5	13,282	322
17632	Hydra	8	45 51.83	2,743	108 3 30.1	13,283	282
17633	Cancer	7	45 52.33	3,393	72 5 50.4	13,284	256
17634	Hydra	7½	45 55.81	3,200	82 34 53.9	13,287	273
17635	Cancer	8½	45 56.12	3,744	56 2 37.1	13,288	213
17636	Hydra	6½	46 0.81	2,754	107 29 19.7	13,293	282
17637	Hydra	6½	46 0.88	2,754	107 29 9.5	13,293	280
17638	Hydra	8	46 3.31	2,754	107 30 10.8	13,296	282
17639	Lynx	9½	46 3.65	3,962	48 18 18.3	13,296	215
17640	Cancer.... σ¹	6½	8 46 4.61	+3,358	73 55 10.6	+13,297	52

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17641	Cancer	9	8 46 5,89	+3,301	77 1 3,4	+13,298	217
17642	Hydra	7	46 6,53	3,157	85 0 16,5	13,299	261
17643	Cancer	9	46 13,23	3,274	78 28 47,6	13,306	218
17644	Cancer	9	46 13,55	3,587	62 40 30,5	13,307	147
17645	Cancer	9½	46 16,10	3,510	66 14 59,3	13,309	214
17646	Hydra	6½	46 16,73	2,784	105 56 51,9	13,310	282
17647	Hydra	8	46 16,88	2,834	103 16 57,8	13,310	271
17648	Cancer	9	46 19,64	3,466	68 24 45,1	13,313	212
17649	Cancer	8	46 21,67	3,722	56 52 3,6	13,316	209
17650	Cancer	7½	46 21,86	3,722	56 52 4,1	13,316	274
17651	Cancer 0 ²	6½	46 24,32	3,363	73 39 36,4	13,318	52
17652	Hydra	8	46 27,03	2,886	100 23 42,0	13,322	270
17653	Cancer	8	46 30,01	3,584	62 44 55,7	13,324	147
17654	Cancer	9	46 31,45	3,434	69 57 24,6	13,326	219
17655	Hydra	8	46 32,51	2,754	107 30 4,6	13,327	281
17656	Hydra	8½	46 32,81	3,076	89 39 12,8	13,328	51
17657	Hydra	6½	46 32,96	2,808	104 40 44,4	13,328	278
17658	Cancer	9	46 39,29	3,675	58 46 20,3	13,335	221
17659	Lynx	9	46 39,34	3,754	55 34 59,9	13,335	213
17660	Lynx	8	46 43,71	3,788	54 17 25,2	13,339	322
17661	Lynx	9	46 44,34	3,788	54 17 26,9	13,340	220
17662	Hydra	8	46 45,56	2,836	103 8 47,3	13,341	271
17663	Hydra	7	46 49,58	3,127	86 42 50,3	13,346	258
17664	Cancer	8½	46 50,82	3,560	63 51 25,8	13,347	148
17665	Cancer	8½	46 51,91	3,246	79 58 8,4	13,349	324
17666	Cancer	6	46 54,02	3,248	79 51 9,2	13,351	324
17667	Cancer	9	46 54,83	3,677	58 39 57,2	13,352	221
17668	Hydra	8	46 55,03	2,888	100 20 13,8	13,352	270
17669	Cancer .....	.	46 57,78	3,415	70 55 40,8	13,355	279
17670	Cancer	7	46 57,84	3,415	70 55 40,1	13,355	254
17671	Hydra	9	46 58,17	3,160	84 48 0,2	13,355	261
17672	Cancer	8	46 58,23	3,274	78 25 22,6	13,356	218
17673	Cancer	8	47 1,98	3,560	63 49 21,9	13,360	148
17674	Cancer	8	47 2,55	3,529	65 16 13,4	13,360	214
17675	Cancer	8½	47 5,78	3,278	78 11 19,3	13,363	218
17676	Cancer	8	47 6,04	3,571	63 18 40,4	13,364	148
17677	Malus.....	6½	47 6,81	2,645	113 3 44,9	13,365	285
17678	Cancer	10	47 7,20	3,722	56 48 12,7	13,365	209
17679	Hydra	9	47 7,50	3,223	81 16 26,1	13,365	273
17680	Hydra	9	8 47 9,51	+3,225	81 9 27,9	+13,368	273

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17681	Cancer	8	8 47 13.24	+3,722	56 48 52.8	+13,372	209
17682	Hydra	9	47 13.40	3,079	89 26 51.7	13,372	51
17683	Cancer	5½	47 13.68	3,722	56 48 58.0	13,372	213
17684	Cancer	5½	47 13.90	3,722	56 48 54.0	13,372	274
17685	Lynx	8½	47 14.10	4,021	46 19 48.5	13,373	55
17686	Lynx	7½	47 15.15	3,783	54 24 23.4	13,374	322
17687	Lynx	8	47 15.28	3,783	54 24 22.0	13,374	220
17688	Hydra	9	47 18.93	3,071	89 53 39.8	13,378	51
17689	Cancer	8½	47 22.74	3,274	78 23 27.6	13,382	218
17690	Cancer	8	47 25.60	3,471	68 3 58.1	13,385	212
17691*	Cancer	7½	47 27.67	3,581	62 47 55.8	13,387	147
17692	Cancer	8½	47 30.73	3,504	66 26 10.7	13,391	214
17693	Cancer α	4	47 31.98	3,293	77 22 36.4	13,392	217
17694*	Cancer α	4	47 32.07	3,293	77 22 36.4	13,392	218
17695	Ursa Major ..	8½	47 32.60	4,278	39 29 17.9	13,393	383
17696	Hydra	7½	47 35.75	2,772	106 40 17.3	13,396	281
17697	Lynx	5	47 36.74	3,984	47 26 13.0	13,397	215
17698	Hydra	8½	47 40.72	2,954	96 38 53.9	13,401	266
17699	Cancer	8½	47 44.37	3,639	60 13 10.2	13,405	53
17700	Lynx	6	47 45.53	3,857	51 37 39.8	13,407	56
17701	Hydra	7	47 47.85	3,110	87 41 40.6	13,408	263
17702	Lynx	8	47 48.47	3,783	54 21 57.3	13,410	322
17703	Lynx	9	47 48.59	3,783	54 21 57.1	13,410	220
17704	Cancer	8	47 50.89	3,697	57 45 41.3	13,413	319
17705	Cancer	7	47 51.48	3,410	71 5 35.5	13,413	254
17706	Cancer	8	47 51.70	3,697	57 45 41.7	13,413	221
17707	Cancer	7	47 51.85	3,410	71 5 43.2	13,414	279
17708	Cancer	9	47 52.08	3,564	63 32 38.8	13,414	148
17709	Cancer	6½	47 52.22	3,410	71 5 43.2	13,414	219
17710	Malus.....	9	47 54.80	2,673	111 45 48.6	13,417	285
17711	Cancer	8	47 57.21	3,712	57 7 21.2	13,419	209
17712	Cancer	8	47 57.56	3,712	57 8 18.5	13,420	213
17713	Hydra	7	47 59.20	2,999	94 5 34.1	13,421	259
17714	Hydra	8	48 1.37	3,227	81 0 40.2	13,424	324
17715	Hydra	7½	48 1.73	3,021	92 48 48.7	13,424	276
17716	Hydra	7½	48 1.81	3,227	81 0 40.8	13,424	273
17717	Lynx	9½	48 4.44	3,791	54 1 8.9	13,427	220
17718	Hydra	8½	48 9.39	2,962	96 10 39.6	13,433	266
17719	Cancer	8½	48 11.22	3,719	56 48 46.2	13,434	213
17720	Lynx	•	8 48 12.56	+4,044	45 32 50.2	+13,436	55

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17721	Cancer	8	8 48 18.49	+3,630	60 33 47.8	+13,443	53
17722	Cancer	8½	48 24.57	3,712	57 5 42.6	13,449	213
17723	Cancer	9	48 25.01	3,712	57 5 45.3	13,450	209
17724	Cancer .....	.	48 26.07	3,314	76 9 23.8	13,451	279
17725	Cancer	7½	48 26.26	3,314	76 9 29.0	13,451	217
17726	Lynx	8	48 29.83	3,954	48 17 18.9	13,455	215
17727	Hydra	9	48 30.83	2,740	108 22 45.8	13,456	282
17728	Hydra	8	48 31.09	3,146	85 34 35.4	13,456	258
17729	Hydra	7½	48 33.32	3,242	80 15 2.0	13,459	324
17730	Ursa Major ..	9	48 37.30	4,916	28 13 54.1	13,463	383
17731	Lynx	9	48 40.29	3,835	52 20 12.7	13,466	56
17732	Hydra	8	48 40.47	3,212	81 48 37.3	13,466	273
17733	Hydra	7½	48 41.31	2,745	108 7 23.3	13,467	282
17734	Cancer	9	48 41.44	3,537	64 43 59.1	13,467	148
17735	Cancer	9	48 42.05	3,293	77 17 59.6	13,468	218
17736	Cancer	9	48 43.78	3,663	59 6 20.6	13,470	319
17737	Lynx	6	48 44.45	3,916	49 30 40.4	13,471	55
17738	Lynx	7½	48 45.14	3,916	49 30 39.9	13,471	215
17739	Lynx	6	48 45.86	3,916	49 30 40.6	13,472	320
17740	Cancer	8½	48 53.45	3,495	66 45 45.4	13,480	214
17741	Cancer	8½	48 55.45	3,500	66 29 58.1	13,482	214
17742	Ursa Major ..	8	48 56.50	4,280	39 16 38.5	13,484	383
17743	Ursa Major ..	8	48 58.48	4,431	36 2 1.5	13,486	382
17744	Cancer	9	48 59.90	3,460	68 28 49.9	13,487	212
17745	Hydra	9	49 0.54	2,885	100 33 48.2	13,488	270
17746	Cancer	7	49 5.70	3,713	56 58 34.4	13,494	209
17747	Cancer	6	49 5.93	3,713	56 58 34.6	13,494	274
17748	Cancer	6	49 5.99	3,713	56 58 35.7	13,494	213
17749	Lynx	8	49 9.06	3,805	53 21 56.6	13,497	220
17750	Lynx	7½	49 9.59	3,805	53 21 56.7	13,498	322
17751	Hydra	9	49 12.73	2,979	95 15 15.2	13,501	266
17752	Cancer	9	49 13.70	3,566	63 20 21.2	13,502	148
17753	Hydra	8	49 14.87	3,107	87 49 9.2	13,503	263
17754	Ursa Major ..	5	49 15.42	4,485	34 56 31.5	13,504	382
17755	Cancer	9½	49 17.46	3,501	66 25 50.1	13,506	214
17756	Hydra	9	49 17.97	3,216	81 35 5.9	13,507	273
17757	Hydra	9	49 20.67	3,031	92 12 54.5	13,510	276
17758	Hydra	6	49 20.82	2,798	105 22 41.2	13,510	278
17759	Hydra	7½	49 21.29	2,775	106 35 7.4	13,510	281
17760	Lynx	7½	8 49 28.25	+3,882	50 34 4.4	+13,518	55

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17761	Lynx	7½	8 49 28,34	+3,882	50 34 2,5	+13,518	320
17762	Lynx	8	49 28,55	3,882	50 34 1,9	13,518	58
17763	Hydra	7½	49 28,64	2,787	105 58 42,2	13,518	281
17764	Hydra	9	49 30,37	3,004	93 47 52,6	13,520	259
17765	Hydra	8	49 35,17	2,927	98 13 17,0	13,525	268
17766	Hydra	6½	49 35,34	2,801	105 13 0,5	13,525	278
17767	Malus.....	9	49 45,34	2,650	113 1 37,3	13,536	285
17768	Cancer	9	49 47,06	3,610	61 17 57,4	13,538	147
17769	Hydra	7½	49 50,19	3,039	91 46 40,5	13,542	276
17770	Cancer	7	49 51,63	3,609	61 19 8,1	13,543	53
17771	Cancer	8	49 51,68	3,304	76 39 15,1	13,543	217
17772	Ursa Major x	4	49 53,68	4,163	42 3 51,1	13,545	353
17773	Ursa Major x	4	49 53,82	4,163	42 3 48,0	13,545	377
17774	Ursa Major x	4	49 54,33	4,163	42 3 49,8	13,546	352
17775	Hydra	7½	49 55,58	2,792	105 44 2,9	13,547	281
17776	Cancer	9	50 5,21	3,427	70 3 24,6	13,558	219
17777	Lynx	7	50 9,51	4,029	45 46 39,2	13,562	55
17778	Hydra	9	50 13,51	3,086	89 4 14,0	13,566	264
17779	Hydra	8	50 21,34	2,780	106 24 50,6	13,575	281
17780	Ursa Major ..	9	50 21,78	5,774	20 0 10,3	13,575	366
17781	Cancer	9	50 22,44	3,348	74 11 53,7	13,576	52
17782	Cancer	7½	50 28,73	3,387	72 8 37,2	13,583	256
17783	Cancer	8	50 30,24	3,688	57 51 26,4	13,584	221
17784	Cancer	9	50 30,60	3,270	78 29 33,6	13,585	218
17785	Hydra	6	50 31,74	2,742	108 25 51,6	13,586	282
17786	Hydra	8	50 32,57	2,866	101 41 17,6	13,587	270
17787	Hydra	8	50 32,81	2,866	101 41 19,1	13,587	271
17788	Hydra	8½	50 35,48	2,829	103 45 25,9	13,590	278
17789	Hydra	7½	50 35,65	2,925	98 20 25,6	13,590	268
17790	Malus.....	8	50 37,48	2,664	112 23 53,9	13,592	285
17791	Cancer	9	50 43,54	3,391	71 53 58,9	13,599	256
17792	Lynx	7	50 43,65	3,855	51 22 16,7	13,599	56
17793	Cancer	8	50 44,29	3,564	63 16 56,6	13,599	148
17794	Hydra	8½	50 44,84	2,711	110 2 31,5	13,600	284
17795	Hydra	8½	50 46,30	2,870	101 28 12,2	13,602	271
17796	Hydra	8	50 46,36	2,870	101 28 6,9	13,602	270
17797	Hydra	8	50 46,64	3,105	87 56 47,8	13,602	264
17798	Hydra	8½	50 48,51	3,130	86 28 50,6	13,604	258
17799	Hydra	8	50 53,78	3,005	93 44 16,8	13,610	260
17800	Hydra	8½	8 50 54,62	+2,824	104 2 32,3	+13,611	278

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17801	Cancer	9	8 50 56.41	+3,340	74 37 25.5	+13,613	52
17802	Hydra	6	50 57.19	3,180	83 34 56.9	13,613	261
17803	Lynx	6½	50 57.24	3,880	50 28 40.9	13,614	55
17804	Lynx	7½	50 57.54	3,880	50 28 39.4	13,614	58
17805	Lynx	6½	50 57.73	3,880	50 28 37.5	13,614	320
17806	Hydra	7½	50 59.00	2,872	101 21 53.9	13,615	271
17807	Hydra	7½	50 59.06	2,872	101 21 56.5	13,615	270
17808	Malus.....	7	50 59.53	2,674	111 55 15.5	13,616	285
17809	Cancer	7½	50 59.63	3,657	59 7 8.8	13,616	319
17810	Cancer	8½	50 59.98	3,657	59 7 14.3	13,616	53
17811	Cancer v	6	51 0.10	3,532	64 46 7.9	13,616	279
17812	Hydra	7	51 0.79	2,924	98 25 1.9	13,617	268
17813	Cancer	8	51 2.21	3,724	56 20 22.2	13,619	209
17814	Hydra	8	51 3.19	3,169	84 14 15.1	13,620	261
17815	Hydra	7½	51 9.14	3,039	91 46 57.8	13,626	276
17816	Hydra	9	51 9.99	3,131	86 25 20.6	13,627	258
17817	Hydra	8	51 13.97	2,800	105 22 34.3	13,631	281
17818	Cancer	8½	51 14.09	3,472	67 42 9.5	13,631	212
17819	Hydra	7	51 15.22	3,180	83 34 14.0	13,633	261
17820	Cancer	8½	51 17.29	3,487	66 57 36.2	13,635	214
17821	Lynx	9	51 17.29	3,845	51 41 22.1	13,635	56
17822	Hydra	7	51 17.49	2,924	98 26 37.2	13,635	268
17823	Hydra	8	51 18.66	3,025	92 35 28.7	13,636	276
17824	Lynx	9	51 18.98	3,881	50 23 8.9	13,637	55
17825	Hydra	8	51 20.38	3,083	89 13 21.9	13,638	51
17826	Hydra	8	51 24.91	3,073	89 48 16.2	13,643	51
17827	Hydra	7	51 27.51	3,058	90 41 55.2	13,646	51
17828	Malus.....	9	51 28.64	2,679	111 42 26.8	13,647	285
17829	Ursa Major ..	6	51 30.23	4,210	40 41 12.3	13,649	383
17830	Ursa Major ..	9	51 30.26	5,754	20 3 29.4	13,649	366
17831	Hydra	7	51 31.07	3,007	93 40 50.7	13,650	260
17832	Hydra	7	51 34.08	3,129	86 33 6.9	13,653	258
17833	Hydra	8	51 34.16	2,947	97 8 51.1	13,653	266
17834	Malus.....	7	51 37.61	2,705	110 26 35.7	13,657	284
17835	Hydra	6	51 44.90	3,075	89 42 36.2	13,664	51
17836	Cancer	8½	51 46.66	3,561	63 20 55.0	13,666	148
17837	Cancer	9	51 48.87	3,493	66 36 22.9	13,669	214
17838	Hydra	9	51 50.52	2,881	100 55 38.1	13,670	270
17839	Lynx	8	51 51.19	3,763	54 40 39.0	13,671	322
17840	Lynx	9	8 51 51.33	+3,763	54 40 43.3	+13,671	220

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			h m s	s	° ' "	"	
17841	Lynx	9½	8 51 51.42	+3,872	50 38 52.8	+13,671	320
17842	Hydra	8½	51 53.18	3,229	80 44 15.1	13,673	324
17843	Hydra	7½	52 1.02	2,741	108 33 52.7	13,682	282
17844	Lynx	8½	52 4.38	3,870	50 41 55.8	13,685	320
17845	Hydra	6	52 5.00	3,208	81 55 19.0	13,686	273
17846	Hydra	8	52 7.31	2,831	103 42 52.1	13,688	278
17847	Cancer	9	52 7.91	3,452	68 39 50.8	13,689	212
17848	Hydra	8	52 8.55	3,033	92 8 55.5	13,690	276
17849	Hydra	7½	52 9.82	2,939	97 35 31.5	13,691	268
17850	Cancer	9½	52 10.54	3,428	69 51 41.9	13,692	219
17851	Cancer	7½	52 12.69	3,604	61 19 11.8	13,694	53
17852	Cancer	7	52 12.73	3,604	61 19 10.3	13,694	147
17853	Lynx	7½	52 13.01	4,021	45 45 27.9	13,694	55
17854	Cancer	8½	52 14.63	3,331	75 2 4.5	13,696	52
17855	Hydra	7	52 16.42	3,043	91 35 6.6	13,698	276
17856	Lynx	9	52 18.00	3,758	54 48 52.5	13,700	220
17857	Cancer	8½	52 18.06	3,442	69 9 10.9	13,700	254
17858	Ursa Major ..	9	52 18.13	4,403	36 13 56.5	13,700	382
17859	Lynx	8½	52 18.22	3,759	54 48 50.1	13,700	322
17860	Lynx	9	52 18.24	3,763	54 37 47.0	13,700	322
17861	Cancer	8	52 18.28	3,442	69 9 11.3	13,700	212
17862	Ursa Major ..	9	52 21.62	4,250	39 36 11.6	13,703	383
17863	Cancer	9	52 32.29	3,415	70 31 48.7	13,715	219
17864	Hydra	8½	52 33.82	3,090	88 48 42.8	13,717	264
17865	Cancer	9½	52 34.29	3,719	56 21 4.5	13,717	209
17866	Hydra	7	52 36.15	3,200	82 24 15.9	13,719	273
17867	Cancer	7½	52 39.39	3,707	56 50 6.1	13,722	209
17868	Cancer	7	52 40.44	3,707	56 50 10.1	13,724	221
17869	Hydra	9	52 43.58	2,896	100 7 23.3	13,727	270
17870	Hydra	8½	52 44.59	3,118	87 9 39.3	13,728	258
17871	Cancer	8	52 53.43	3,253	79 19 25.1	13,738	324
17872	Hydra	9	52 56.37	2,929	98 11 52.6	13,741	268
17873	Lynx	7½	52 59.79	3,803	53 1 55.8	13,744	56
17874	Cancer	8	53 4.06	3,276	78 3 34.7	13,749	218
17875	Hydra	9	53 6.36	3,159	84 45 29.4	13,751	261
17876	Lynx	7½	53 6.84	3,865	50 46 16.0	13,752	320
17877	Lynx	8	53 6.98	3,865	50 46 19.4	13,752	58
17878	Lynx	8	53 7.20	3,865	50 46 19.9	13,752	55
17879	Cancer	8	53 8.58	3,532	64 36 25.4	13,754	148
17880	Cancer	8	8 53 18.79	+3,564	63 2 57.0	+13,764	147

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			h m s	s	° ' "	"	
17881	Hydra	9	8 53 23.17	+2,929	98 12 28.8	+13,769	268
17882	Ursa Major ..	9	53 24.59	5,718	20 9 32.1	13,770	366
17883	Cancer	8	53 26.09	3,495	66 23 19.1	13,772	214
17884	Hydra	9	53 29.42	3,042	91 37 34.9	13,776	276
17885	Hydra	7½	53 39.76	2,841	103 13 18.0	13,787	271
17886	Ursa Major ..	9½	53 39.77	4,409	35 56 57.9	13,787	382
17887	Cancer	7½	53 43.97	3,270	78 21 48.4	13,791	279
17888	Cancer	7½	53 44.14	3,270	78 21 51.3	13,791	218
17889	Hydra	7	53 44.73	2,995	94 23 11.0	13,792	260
17890	Lynx	5	53 45.52	3,863	50 45 29.1	13,793	55
17891	Lynx	4	53 45.92	3,863	50 45 33.1	13,793	320
17892	Lynx	4½	53 46.24	3,863	50 45 31.7	13,793	58
17893	Ursa Major ..	9	53 47.55	5,720	20 7 0.1	13,795	366
17894	Lynx	8	53 51.46	3,852	51 7 10.5	13,799	55
17895	Lynx	8	53 51.99	3,852	51 7 12.0	13,800	58
17896	Cancer	9	53 56.06	3,498	66 9 16.9	13,804	214
17897	Ursa Major ..	9	53 56.06	4,410	35 54 24.9	13,804	382
17898	Cancer	8	53 57.34	3,314	75 52 5.1	13,805	217
17899	Lynx	7½	54 1.58	3,857	50 55 52.3	13,810	55
17900	Cancer	9	54 1.59	3,414	70 27 58.1	13,810	219
17901	Lynx	6	54 2.09	3,857	50 55 52.2	13,810	320
17902	Lynx	7½	54 2.12	3,857	50 55 49.8	13,810	58
17903	Hydra	8	54 2.19	2,721	109 45 54.1	13,810	284
17904	Cancer	9	54 2.68	3,282	77 38 20.3	13,811	218
17905	Cancer	9	54 6.05	3,427	69 46 32.0	13,814	254
17906	Cancer	8	54 6.72	3,427	69 46 33.4	13,815	219
17907	Lynx	8	54 7.62	3,766	54 19 8.9	13,816	322
17908	Hydra	7½	54 9.75	2,834	103 39 14.2	13,818	278
17909	Hydra	7½	54 12.64	3,143	85 40 19.7	13,821	258
17910	Hydra	8	54 14.74	3,019	92 57 46.3	13,823	276
17911	Lynx	8½	54 14.81	3,777	53 52 44.5	13,824	322
17912	Cancer	9	54 15.80	3,360	73 18 17.9	13,825	52
17913	Hydra	8	54 17.34	3,115	87 18 12.2	13,826	264
17914	Cancer	8	54 18.63	3,727	55 50 12.5	13,828	209
17915	Hydra	8	54 21.34	3,098	88 17 45.2	13,831	264
17916	Cancer	8½	54 23.26	3,561	63 4 40.4	13,833	147
17917	Hydra	8½	54 23.81	3,015	93 14 14.9	13,833	276
17918	Ursa Major ..	8½	54 24.48	4,153	41 47 6.3	13,834	377
17919	Cancer	8½	54 27.58	3,512	65 28 5.4	13,837	214
17920	Cancer	8	8 54 27.64	+3,512	65 28 4.6	+13,837	148

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			h m s	s	° ' "	"	
17921	Hydra	7	8 54 29.02	+2,779	106 42 39.1	+13,839	281
17922	Cancer	7½	54 31.05	3,388	71 49 13.5	13,841	256
17923	Hydra	9	54 42.37	3,100	88 11 5.1	13,853	264
17924	Hydra	8½	54 44.61	2,838	103 29 47.7	13,855	278
17925	Hydra	8½	54 50.01	2,760	107 45 29.3	13,861	282
17926	Hydra	8	54 55.46	3,004	93 53 13.9	13,867	260
17927	Hydra	8	54 57.80	3,016	93 11 57.9	13,869	276
17928	Hydra	8	54 58.36	3,016	93 11 57.1	13,870	260
17929	Cancer	7½	55 1.84	3,382	72 5 42.1	13,873	256
17930	Hydra	7½	55 2.25	3,019	92 59 29.4	13,874	276
17931	Ursa Major ..	8	55 2.33	4,224	39 54 27.4	13,874	383
17932	Cancer	8	55 3.04	3,359	73 20 50.3	13,875	52
17933	Lynx	8½	55 7.00	3,820	52 7 48.9	13,879	56
17934	Cancer	8	55 7.77	3,439	69 5 23.0	13,880	212
17935	Hydra	8	55 9.83	2,856	102 28 1.4	13,882	271
17936	Lynx .....	.	55 12.75	3,969	47 1 33.0	13,885	55
17937	Cancer	8	55 17.38	3,446	68 41 13.5	13,890	212
17938	Hydra	8	55 21.55	2,884	100 54 35.8	13,894	270
17939	Hydra	9	55 24.06	2,889	100 35 51.7	13,897	270
17940	Hydra	7	55 24.75	2,785	106 26 46.0	13,897	281
17941	Hydra	8	55 25.87	2,732	109 16 48.9	13,899	282
17942	Hydra ω	4½	55 25.95	3,169	84 7 2.7	13,899	261
17943	Cancer	9	55 26.53	3,501	65 52 44.1	13,899	214
17944	Cancer	8½	55 27.07	3,602	61 5 12.1	13,900	147
17945	Lynx	9	55 27.71	3,936	48 3 33.3	13,901	215
17946	Cancer	6½	55 28.40	3,672	58 0 16.2	13,902	319
17947	Hydra	8½	55 30.60	3,023	92 46 58.0	13,904	276
17948	Hydra	9	55 41.83	2,860	102 18 25.7	13,915	271
17949	Cancer .....	.	55 42.86	3,492	66 19 44.6	13,916	214
17950	Cancer	8½	55 43.51	3,599	61 11 59.3	13,917	147
17951	Malus.	8	55 47.37	2,715	110 14 9.0	13,921	284
17952	Cancer	7½	55 49.65	3,703	56 39 44.5	13,924	209
17953	Hydra	8½	55 52.10	2,955	96 48 53.2	13,926	266
17954	Cancer	8½	55 53.86	3,494	66 13 36.5	13,928	214
17955	Cancer	8½	55 54.66	3,400	71 3 38.2	13,929	219
17956	Lynx	8	55 54.86	3,798	52 53 30.8	13,929	56
17957	Lynx	7	55 56.38	3,798	52 53 30.8	13,931	322
17958	Cancer τ	6	55 57.73	3,635	59 33 4.6	13,932	53
17959	Ursa Major ..	9	55 58.44	4,355	36 49 1.0	13,933	382
17960	Cancer τ	6	8 55 58.61	+3,635	59 33 4.1	+13,933	221

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			h m s	s	° ' "	"	
17961	Hydra	8	8 56 2,28	+2,784	106 32 56,7	+13,937	281
17962	Hydra	9	56 5,60	2,939	97 44 37,0	13,940	268
17963	Cancer	8½	56 7,54	3,648	58 58 50,1	13,943	319
17964	Hydra	9½	56 8,33	2,863	102 7 40,1	13,943	271
17965	Cancer	8½	56 9,83	3,589	61 38 9,7	13,945	147
17966	Hydra	9	56 11,97	2,834	103 47 12,2	13,947	278
17967	Hydra	9	56 12,86	3,130	86 23 26,5	13,948	258
17968	Hydra	9	56 12,90	3,130	86 23 27,7	13,948	324
17969	Lynx	•	56 13,21	3,772	53 50 28,6	13,948	322
17970	Hydra	8	56 13,70	3,130	86 23 27,7	13,949	324
17971	Hydra	9	56 14,06	3,130	86 23 26,5	13,949	258
17972	Hydra	7½	56 15,10	3,224	80 52 30,8	13,951	324
17973	Cancer	9½	56 15,50	3,454	68 11 42,3	13,951	212
17974	Ursa Major ..	9	56 17,62	4,130	42 11 26,1	13,953	353
17975	Cancer	8½	56 18,56	3,649	58 53 15,0	13,954	319
17976	Hydra	9	56 20,61	2,830	104 = 13,3	13,956	278
17977	Hydra	8½	56 22,04	2,891	100 32 57,4	13,958	270
17978	Hydra	7	56 22,41	3,039	91 48 36,0	13,958	276
17979	Cancer	7	56 23,41	3,247	79 32 8,9	13,959	324
17980	Cancer	9	56 29,38	3,656	58 34 37,4	13,965	221
17981	Cancer	8½	56 30,30	3,587	61 40 21,0	13,966	147
17982	Lynx	7	56 32,18	3,734	55 18 47,5	13,968	209
17983	Lynx	6	56 32,23	3,734	55 18 47,9	13,968	220
17984	Lynx	5½	56 32,70	3,734	55 18 52,9	13,969	322
17985	Cancer	8½	56 33,80	3,587	61 40 0,0	13,970	147
17986	Ursa Major ..	9	56 34,55	4,933	27 15 8,3	13,971	383
17987	Cancer	7	56 37,81	3,546	63 34 43,5	13,974	148
17988	Hydra	6½	56 39,63	3,107	87 44 33,4	13,976	264
17989	Hydra	9	56 39,72	2,961	96 27 40,2	13,976	266
17990	Ursa Major ..	8	56 42,34	4,910	27 31 16,7	13,979	383
17991	Ursa Major ..	9	56 43,96	4,911	27 30 59,7	13,980	383
17992	Hydra	7½	56 46,93	3,198	82 21 59,7	13,984	273
17993	Hydra	6½	56 51,91	3,126	86 37 31,3	13,989	324
17994	Hydra	7	56 52,30	3,126	86 37 27,0	13,989	258
17995	Cancer x	4½	56 54,13	3,264	78 32 9,3	13,991	218
17996	Lynx	9	56 55,48	3,901	49 2 39,4	13,993	215
17997	Hydra	8	56 56,62	3,209	81 43 0,6	13,994	273
17998	Lynx	•	56 57,14	3,987	46 15 36,0	13,994	55
17999	Cancer	8½	57 3,09	3,335	74 29 27,6	14,001	52
18000	Cancer	7½	8 57 3,68	+3,323	75 9 35,0	+14,001	217

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			h m s	s	° ' "	"	
18001	Hydra	9	8 57 4.15	+2,734	109 18 51.3	+14.002	284
18002	Hydra	7½	57 4.35	3,093	88 36 14.3	14.002	264
18003	Cancer	8½	57 17.10	3,720	55 47 41.1	14.015	209
18004	Cancer	7½	57 18.22	3,286	77 14 58.7	14.016	217
18005	Hydra	9	57 18.86	3,084	89 8 29.2	14.017	51
18006	Cancer	7½	57 18.99	3,286	77 14 59.7	14.017	218
18007	Cancer	8	57 22.68	3,371	72 29 53.0	14.021	256
18008	Ursa Major ..	9	57 22.72	4,912	27 25 47.9	14.021	383
18009	Cancer	8	57 31.76	3,656	58 29 3.8	14.031	319
18010	Cancer	8	57 32.97	3,656	58 28 59.6	14.032	221
18011	Cancer	9	57 35.43	3,689	57 4 11.3	14.034	209
18012	Cancer	8½	57 36.37	3,549	63 21 55.7	14.035	148
18013	Hydra	9	57 38.02	2,902	99 56 4.7	14.037	270
18014	Lynx	8	57 40.46	3,769	53 47 7.0	14.039	220
18015	Hydra	6½	57 40.48	2,770	107 24 20.7	14.039	282
18016	Lynx	7½	57 40.61	3,769	53 47 7.8	14.040	322
18017	Cancer	9	57 41.52	3,381	71 57 53.3	14.041	256
18018	Hydra	7	57 43.10	2,858	102 30 42.0	14.042	271
18019	Hydra	8½	57 43.95	2,995	94 27 36.2	14.043	260
18020	Cancer	7½	57 48.57	3,385	71 43 45.0	14.048	256
18021	Ursa Major ..	7½	57 48.88	4,583	32 15 1.4	14.048	382
18022	Cancer ϵ	5	57 50.34	3,472	67 9 18.6	14.050	212
18023	Hydra	6½	57 53.91	3,042	91 40 35.9	14.054	276
18024	Hydra	9	57 57.44	3,211	81 34 28.6	14.057	273
18025	Hydra	9	57 58.39	2,964	96 20 10.1	14.058	266
18026	Lynx	8	57 59.97	3,831	51 24 28.7	14.060	58
18027	Lynx	8	58 1.68	3,886	49 24 21.2	14.062	320
18028	Lynx	8½	58 3.19	3,846	50 51 3.9	14.063	56
18029	Lynx	8	58 3.24	3,846	50 51 1.5	14.064	320
18030	Hydra	8½	58 3.52	2,907	99 41 24.8	14.064	270
18031	Hydra	9	58 3.70	2,869	101 52 45.5	14.064	271
18032	Cancer	8½	58 3.96	3,628	59 38 28.4	14.064	53
18033	Cancer	8½	58 8.07	3,344	73 57 26.3	14.068	52
18034	Hydra	7½	58 8.49	2,953	97 22.2	14.069	266
18035	Hydra	7	58 21.94	3,209	81 41 7.9	14.083	273
18036	Ursa Major...c	6	58 23.73	4,878	27 46 1.7	14.084	383
18037	Cancer	8½	58 24.84	3,483	66 31 7.4	14.086	215
18038	Hydra	8½	58 24.84	3,149	85 14 29.0	14.086	324
18039	Hydra	9	58 24.94	3,149	85 14 24.6	14.086	258
18040	Hydra	8	8 58 24.95	+3,149	85 14 28.2	+14.086	327

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			h m s	s	° ' "	"	
18041	Hydra	8½	8 58 25.02	+3,149	85 14 25.4	+14,086	261
18042	Lynx	8	58 25.04	3,901	48 53 43.6	14,086	215
18043	Lynx	8	58 25.62	4,043	44 22 8.8	14,086	352
18044	Cancer	5½	58 31.66	3,659	58 13 52.6	14,093	319
18045	Cancer	6	58 33.00	3,659	58 13 53.6	14,094	221
18046	Cancer	8½	58 33.95	3,616	60 7 25.9	14,095	53
18047	Hydra	9	58 35.94	3,070	89 58 3.5	14,097	51
18048	Hydra	8	58 40.05	2,882	101 8 24.3	14,102	270
18049	Cancer	9	58 40.58	3,411	70 14 34.9	14,102	219
18050	Cancer	8½	58 41.63	3,347	73 45 4.2	14,103	52
18051	Hydra	8	58 42.55	2,881	101 12 47.6	14,104	270
18052	Hydra	9	58 48.02	2,998	94 19 8.0	14,110	260
18053	Ursa Major ..	9	58 48.04	5,782	19 18 37.5	14,110	366
18054	Hydra	9½	58 48.94	2,996	94 26 1.3	14,111	260
18055	Cancer	7	58 50.20	3,469	67 12 2.8	14,112	212
18056	Cancer	7	58 50.44	3,469	67 11 58.2	14,112	215
18057	Hydra	8	58 51.90	2,778	107 3 52.9	14,114	281
18058	Cancer	7	58 53.21	3,278	77 37 44.6	14,115	218
18059	Hydra	6	58 54.70	2,940	97 47 15.6	14,117	268
18060	Cancer	9	58 57.47	3,254	78 59 45.4	14,120	218
18061	Hydra	8	58 58.31	3,057	90 47 5.9	14,121	51
18062	Cancer	9	58 59.10	3,309	75 50 27.3	14,121	217
18063*	Cancer	9	58 59.51	3,259	78 42 15.1	14,122	218
18064	Cancer	8	58 59.65	3,611	60 18 59.1	14,122	53
18065	Hydra	8	59 5.45	3,132	86 15 11.8	14,128	258
18066	Hydra	7½	59 5.89	3,132	86 15 14.8	14,128	324
18067	Hydra	7½	59 7.27	2,827	104 19 55.4	14,130	278
18068	Lynx	9	59 8.06	3,748	54 27 59.8	14,131	220
18069	Hydra	7	59 14.25	2,903	99 57 1.8	14,137	315
18070	Cancer	8½	59 20.16	3,349	73 36 24.3	14,143	52
18071	Cancer	9½	59 21.68	3,314	75 32 35.1	14,144	217
18072	Hydra	8	59 21.89	3,169	83 59 25.4	14,145	317
18073	Hydra	8½	59 22.18	3,169	83 59 26.2	14,145	261
18074	Hydra	6½	59 22.63	2,807	105 28 16.8	14,145	278
18075	Hydra	6½	59 22.90	2,807	105 28 21.5	14,146	231
18076	Hydra	8	59 23.49	3,208	81 40 21.0	14,147	273
18077	Hydra	8	59 25.54	2,947	97 22 37.5	14,148	256
18078	Lynx	7½	59 27.09	3,766	53 42 35.3	14,150	210
18079	Lynx	7	59 27.73	3,766	53 42 35.8	14,151	322
18080	Cancer	9	8 59 31.58	+3,375	72 9 27.4	+14,155	279

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			h m s	s	° ' "	"	
18081*	Cancer	8	8 59 34,72	+3,409	70° 18' 20,2	+14,158	219
18082	Cancer	9	59 35,41	3,706	56 6 25,9	14,159	209
18083	Hydra	5½	59 35,89	2,876	101 33 23,8	14,159	328
18084	Hydra	6	59 36,18	2,876	101 33 20,4	14,160	271
18085	Cancer	8½	59 38,08	3,536	63 46 22,7	14,162	148
18086	Hydra	9	59 46,71	2,773	107 25 17,2	14,171	282
18087	Cancer	9½	59 46,77	3,704	56 11 7,0	14,171	209
18088	Hydra	9	59 47,33	2,940	97 49 7,9	14,171	268
18089	Hydra	6	59 48,59	2,937	97 58 57,4	14,172	268
18090	Hydra	9	59 48,98	3,058	90 43 3,7	14,173	51
18091	Hydra	6	59 50,23	2,771	107 31 34,8	14,174	282
18092	Cancer	9	59 52,67	3,536	63 46 16,6	14,176	148
18093	Lynx	9	59 53,85	3,787	52 50 3,2	14,178	56
18094	Hydra	9	8 59 56,82	2,943	97 37 37,3	14,181	268
18095	Lynx	9½	9 = 2,08	3,896	48 48 13,9	14,186	215
18096	Ursa Major ..	8	0 4,41	4,112	42 11 54,4	14,189	353
18097	Hydra	7½	0 4,57	2,723	110 7 28,2	14,189	284
18098	Ursa Major ..	9	0 4,64	4,112	42 11 58,1	14,189	377
18099	Hydra	7	0 9,94	2,851	103 3 15,7	14,195	328
18100	Hydra	8	0 10,69	2,851	103 3 11,8	14,195	271
18101	Lynx	9	0 17,71	3,712	55 35 27,5	14,202	209
18102	Cancer	8½	= 17,85	3,640	58 53 24,4	14,203	319
18103	Cancer	9	= 18,40	3,640	58 53 24,7	14,203	221
18104	Cancer	8½	= 20,36	3,548	63 8 23,3	14,205	147
18105	Cancer	9	= 20,78	3,437	68 45 44,9	14,206	212
18106	Hydra	8	0 24,17	2,981	95 21 2,1	14,209	260
18107	Hydra	7½	0 24,87	2,981	95 21 15,0	14,210	320
18108	Hydra	8	0 25,05	2,981	95 21 10,7	14,210	266
18109	Hydra	9	= 25,83	2,940	97 49 23,0	14,211	268
18110	Hydra	7	0 27,59	3,026	92 37 8,7	14,212	276
18111	Cancer	9	0 28,04	3,300	76 18 3,2	14,213	217
18112	Malus.....	8	0 39,44	2,693	111 47 49,6	14,225	285
18113*	Lynx	5	= 39,78	3,981	45 58 6,0	14,225	55
18114	Hydra	8½	= 40,62	2,829	104 18 15,6	14,226	278
18115	Ursa Major ..	8	0 40,97	4,345	36 28 1,1	14,227	382
18116	Cancer	6½	0 41,44	3,392	71 8 41,7	14,227	254
18117	Hydra	8½	= 41,51	2,890	100 48 37,2	14,227	325
18118	Cancer	7	0 41,73	3,392	71 8 39,4	14,227	219
18119	Hydra	9	= 41,87	2,746	108 56 0,8	14,227	282
18120	Hydra	6½	9 0 41,90	+3,232	80 12 53,4	+14,228	324

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			h m s	s	° ' "	"	
18121	Cancer	7	9 0 42.00	+3,392	71 8 44.8	+14,228	56
18122	Ursa Major ..	8	□ 42.26	4,345	36 27 41.1	14,228	82
18123	Hydra	7½	0 50.52	2,799	106 3 14.9	14,236	81
18124	Ursa Major ..	6	0 54.22	4,551	32 26 27.1	14,240	82
18125	Hydra	9	0 54.51	3,058	90 44 16.2	14,240	51
18126	Hydra	7½	0 59.10	2,833	104 5 31.7	14,245	78
18127	Hydra	8½	□ 59.38	2,716	110 36 13.9	14,245	84
18128	Lynx	8	1 0.16	3,752	54 4 51.2	14,246	122
18129	Lynx	8	1 0.53	3,752	54 4 49.9	14,247	120
18130	Hydra	9	1 0.85	2,936	98 4 49.0	14,247	158
18131	Lynx	9	1 4.26	3,801	52 10 5.1	14,251	56
18132	Cancer	8½	1 7.87	3,440	68 30 33.7	14,254	212
18133	Hydra	9	1 8.23	3,145	85 24 42.6	14,255	324
18134	Hydra	7	1 12.33	3,088	88 53 53.4	14,259	274
18135	Hydra	7	1 12.58	3,088	88 53 52.7	14,259	254
18136	Hydra	8½	1 15.98	2,797	106 9 48.5	14,262	281
18137	Cancer π¹	7½	1 19.97	3,336	74 12 24.8	14,267	52
18138	Hydra	8	1 22.62	2,872	101 50 49.1	14,269	328
18139	Hydra	8	1 22.70	2,872	101 50 47.0	14,269	271
18140	Malus.....	6½	1 26.09	2,683	112 22 8.9	14,273	285
18141	Cancer	8	1 29.33	3,363	72 39 42.9	14,276	256
18142	Cancer	8	1 29.65	3,363	72 39 42.4	14,276	279
18143	Hydra	8	1 30.33	2,824	104 38 58.4	14,277	278
18144	Cancer	8½	1 36.87	3,365	72 33 25.3	14,284	279
18145	Cancer	8½	1 37.36	3,365	72 33 26.7	14,284	256
18146	Hydra	8½	1 40.70	3,031	92 19 57.3	14,288	276
18147	Ursa Major... e	5½	1 41.79	4,402	35 9 48.1	14,289	382
18148	Cancer	8	1 43.21	3,533	63 44 45.4	14,290	148
18149	Malus.....	8½	1 43.93	2,685	112 17 49.3	14,291	285
18150	Hydra	6	1 45.27	3,146	85 19 13.6	14,292	327
18151	Hydra	8½	1 45.28	3,063	90 23 36.7	14,292	51
18152	Hydra	6	1 45.48	3,146	85 19 19.4	14,293	324
18153	Hydra	8	1 51.02	2,833	104 8 15.0	14,298	278
18154	Cancer	9	1 54.71	3,532	63 45 0.4	14,302	148
18155	Lynx	8	1 55.75	3,717	55 21 44.7	14,303	209
18156	Hydra	8	1 56.82	2,893	100 40 6.7	14,304	325
18157	Hydra	8	1 57.68	2,968	96 10 3.5	14,305	266
18158	Cancer	8	2 0.16	3,528	63 55 40.5	14,308	148
18159	Hydra	7½	2 0.30	3,008	93 44 41.9	14,308	320
18160	Lynx	9	9 2 1.52	+3,956	46 36 38.0	+14,309	55

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			h	m	s	s	°	'	"	"	
18161	Lynx	8½	9	2	2,10	+3,709	55	41	40,0	+14,310	209
18162	Cancer	7½		2	6,55	3,260	78	31	3,6	14,314	218
18163	Cancer	6		2	10,62	3,450	67	54	6,4	14,318	212
18164	Hydra	8		2	12,38	2,881	101	22	17,2	14,320	328
18165	Hydra	8½		2	12,74	2,881	101	22	16,2	14,321	271
18166	Lynx	7		2	18,59	3,839	50	34	34,6	14,327	224
18167	Lynx	7½		2	18,87	3,839	50	34	41,6	14,327	58
18168	Hydra	8		2	21,69	3,006	93	54	38,4	14,330	320
18169	Cancer	8		2	22,19	3,627	59	14	15,9	14,330	319
18170	Cancer	8½		2	22,76	3,627	59	14	19,6	14,331	53
18171	Hydra	7½		2	24,49	2,887	101	1	13,1	14,332	325
18172	Hydra	8½		2	24,80	2,887	101	1	6,8	14,333	271
18173	Hydra	9		2	26,25	2,801	106	0	3,9	14,334	281
18174	Cancer	8		2	27,16	3,528	63	53	28,7	14,335	148
18175	Lynx	9		2	29,67	3,831	50	50	49,0	14,338	58
18176	Lynx	9		2	31,04	3,705	55	47	11,2	14,339	209
18177	Hydra	8		2	31,36	2,969	96	7	5,4	14,339	266
18178	Hydra	6		2	32,85	2,966	96	17	53,9	14,341	266
18179	Cancer	7½		2	34,49	3,254	78	52	37,2	14,343	218
18180	Hydra	7		2	34,82	3,033	92	13	2,1	14,343	276
18181	Lynx	8½		2	36,15	3,797	52	7	24,5	14,344	56
18182	Hydra	7½		2	38,50	2,900	100	16	2,6	14,347	325
18183	Cancer	8½		2	43,49	3,581	61	18	54,5	14,352	147
18184	Cancer	6½		2	47,03	3,522	64	9	59,1	14,356	148
18185	Hydra	9		2	47,25	3,216	81	7	8,8	14,356	324
18186	Ursa Major ..	8½		2	48,44	4,582	31	41	48,3	14,357	382
18187	Hydra	7		2	48,83	3,178	83	22	12,7	14,357	327
18188	Hydra	7½		2	48,93	3,178	83	22	7,4	14,358	273
18189	Hydra	6		2	49,06	2,749	108	56	12,2	14,358	282
18190	Hydra	6		2	49,06	2,749	108	56	13,6	14,358	284
18191	Lynx	8		2	52,76	3,948	46	44	44,3	14,361	55
18192	Lynx	5½		2	55,16	3,734	54	32	58,7	14,364	322
18193	Lynx	6		2	55,27	3,734	54	33	0,8	14,364	220
18194	Hydra	8		2	55,82	2,894	100	40	54,0	14,364	325
18195	Ursa Major ..	8		2	56,31	4,607	31	16	1,9	14,365	382
18196	Hydra	6½		2	56,82	3,145	85	21	35,8	14,365	327
18197	Hydra	7½		2	57,33	3,145	85	21	33,6	14,366	324
18198	Cancer	9		2	59,97	3,392	70	55	30,1	14,369	221
18199	Cancer	9		3	0,53	3,392	70	55	26,7	14,369	219
18200	Hydra	9	9	3	0,84	+3,180	83	13	49,3	+14,369	273

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			h	m	s	s	"	'	"	"	
18201	Hydra	9	9	3	2.55	+2,998	94	22	7.7	+14,371	32
18202	Cancer	9		3	2.92	3,646	58	17	18.8	14,372	21
18203	Ursa Major ..	9½		3	3.62	4,341	36	15	47.9	14,372	38
18204	Lynx	9		3	9.65	3,767	53	11	54.7	14,378	5
18205	Cancer	9		3	15.74	3,399	70	32	21.4	14,385	21
18206	Lynx	8		3	18.23	3,898	48	22	11.1	14,387	21
18207	Cancer	8		3	21.00	3,475	66	28	2.6	14,390	21
18208	Hydra	8½		3	26.44	2,803	105	58	55.1	14,396	28
18209	Hydra	8½		3	30.64	3,180	83	15	37.4	14,400	27
18210	Hydra	7½		3	32.37	2,827	104	36	13.6	14,402	27½
18211	Cancer	8½		3	33.29	3,275	77	34	45.7	14,403	21½
18212	Hydra	8½		3	38.38	3,080	89	22	16.2	14,408	51
18213	Cancer	9		3	39.37	3,580	61	15	47.7	14,409	147
18214	Cancer	•		3	39.87	3,580	61	15	54.0	14,409	53
18215	Hydra	•		3	47.01	2,899	100	24	36.1	14,417	325
18216	Cancer	7½		3	48.26	3,273	77	41	3.9	14,418	218
18217	Cancer	8		3	50.08	3,351	73	10	30.3	14,420	279
18218	Cancer	8		3	54.85	3,476	66	22	13.6	14,424	215
18219	Hydra 0	4		3	56.32	3,121	86	50	55.2	14,426	261
18220	Hydra 0	4		3	56.67	3,121	86	50	58.5	14,426	324
18221	Hydra 0	4		3	56.91	3,121	86	50	58.0	14,426	264
18222	Hydra 0	4		3	56.98	3,121	86	50	56.7	14,426	258
18223	Hydra 0	4		3	57.18	3,121	86	50	59.0	14,427	274
18224	Cancer	9		4	1.66	3,578	61	17	36.8	14,431	147
18225	Cancer	8½		4	1.85	3,578	61	17	33.2	14,431	53
18226	Ursa Major ..	6		4	1.92	4,088	42	21	33.3	14,431	352
18227	Hydra	9		4	7.85	3,184	83	□	34.5	14,437	273
18228	Cancer π¹	9		4	10.24	3,332	74	14	7.9	14,440	52
18229	Lynx	9½		4	17.13	3,888	48	34	52.6	14,447	215
18230	Lynx	•		4	19.83	3,791	52	8	12.3	14,450	56
18231	Hydra	7½		4	21.40	3,151	84	58	1.4	14,451	327
18232	Cancer	9		4	23.49	3,548	62	42	45.2	14,453	148
18233	Hydra	7½		4	24.89	3,155	84	44	16.0	14,455	327
18234	Leo	9		4	26.38	3,243	79	25	10.6	14,456	324
18235	Cancer	9		4	27.86	3,672	57	□	1.8	14,458	209
18236	Cancer	9		4	29.28	3,672	57	0	2.0	14,459	221
18237	Lynx	8½		4	31.67	3,742	54	1	37.7	14,462	220
18238	Lynx	•		4	32.15	3,742	54	1	37.5	14,462	322
18239	Cancer	8½		4	33.67	3,400	70	23	4.0	14,464	221
18240	Hydra	8	9	4	33.85	+2,994	94	40	40.7	+14,464	320

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			h m s	s	° ' "	"	
18241	Cancer	8½	9 4 34,10	+3,400	70 23 1,5	+14,464	219
18242	Hydra	6½	4 34,91	2,841	103 52 25,4	14,465	278
18243	Cancer	8½	4 36,87	3,376	71 40 56,7	14,467	279
18244	Cancer	8	4 38,13	3,487	65 46 12,1	14,468	215
18245	Hydra	8½	4 38,36	2,743	109 24 36,7	14,468	284
18246	Hydra	7½	4 41,15	3,057	90 45 53,8	14,471	51
18247	Cancer	9	4 42,17	3,423	69 6 7,4	14,472	212
18248	Hydra	8	4 46,81	3,117	87 5 41,0	14,477	324
18249	Hydra	7½	4 46,99	3,117	87 5 40,5	14,477	274
18250	Malus.....	7½	4 48,01	2,695	112 3 14,6	14,478	285
18251	Cancer	6	4 48,95	3,332	74 10 4,1	14,479	52
18252	Lynx	8	4 58,58	3,846	49 58 30,8	14,489	224
18253	Lynx	8½	4 58,98	3,846	49 58 28,1	14,490	58
18254	Leo	8	5 1,21	3,253	78 48 8,6	14,491	218
18255	Hydra	9	5 2,16	3,022	92 57 38,3	14,492	276
18256	Lynx	7½	5 2,91	3,701	55 40 5,7	14,493	209
18257	Hydra	7½	5 4,83	2,941	97 56 7,3	14,495	268
18258	Lynx	9	5 6,29	3,928	47 6 21,5	14,497	55
18259	Cancer	9	5 6,93	3,510	64 32 17,1	14,497	148
18260	Cancer	9	5 6,99	3,334	74 3 14,1	14,497	52
18261	Lynx	8	5 6,99	3,928	47 6 29,7	14,497	215
18262	Hydra	8	5 8,26	3,019	93 8 43,7	14,499	276
18263	Cancer	8½	5 8,38	3,476	66 15 44,8	14,499	215
18264	Cancer	7	5 12,30	3,399	70 21 57,1	14,503	221
18265	Cancer	7	5 12,51	3,399	70 21 55,7	14,503	219
18266	Cancer	9	5 12,99	3,359	72 37 15,0	14,503	279
18267	Hydra	8	5 13,13	2,837	104 7 32,6	14,503	278
18268	Lynx	9	5 17,88	3,922	47 17 23,8	14,508	215
18269	Hydra	8	5 20,10	3,189	82 38 5,7	14,510	273
18270	Cancer	7½	5 22,00	3,649	57 52 19,9	14,513	319
18271	Cancer	8	5 22,95	3,649	57 52 19,9	14,513	221
18272	Hydra	7½	5 33,10	2,946	97 39 33,5	14,524	268
18273	Hydra	8	5 33,38	2,936	98 14 16,4	14,524	268
18274	Hydra	7	5 33,82	2,946	97 39 33,6	14,525	266
18275	Hydra	9	5 35,65	2,873	102 2 36,3	14,526	328
18276	Hydra	8	5 44,64	2,942	97 55 6,4	14,535	268
18277	Cancer	9	5 45,23	3,489	65 30 55,1	14,536	215
18278	Cancer	7½	5 46,64	3,565	61 44 58,8	14,537	147
18279	Ursa Major ..	7	5 47,65	4,085	42 13 30,7	14,538	353
18280	Ursa Major ..	7	9 5 48,40	+4,084	42 14 33,8	+14,539	352

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			h	m	s	s	°	'	
18281	Hydra	8	9	5	48,94	+2,708	111	27	285
18282	Hydra	7½		5	51,88	2,747	109	17	284
18283	Lynx	•		5	55,82	3,813	51	4	224
18284	Lynx	9		5	56,94	3,813	51	4	58
18285	Hydra	6½		5	57,22	2,837	104	11	278
18286	Cancer	8		5	58,62	3,592	60	26	53
18287	Hydra	7½		6	2,43	2,757	108	46	282
18288	Lynx	6		6	3,24	3,743	53	48	220
18289	Lynx	5½		6	3,80	3,743	53	48	322
18290	Lynx	8		6	3,93	3,914	47	28	215
18291	Ursa Major ..	8½		6	6,95	5,557	20	17	366
18292	Hydra	7		6	7,26	2,869	102	18	328
18293	Cancer	9		6	7,32	3,535	63	9	148
18294	Cancer	9		6	10,70	3,579	61	1	53
18295	Cancer	7½		6	14,15	3,477	66	5	215
18296	Hydra	7½		6	15,41	2,948	97	31	268
18297	Hydra	7½		6	15,87	2,948	97	31	266
18298	Hydra	8		6	17,43	3,010	93	42	320
18299*	Ursa Major ..	7½		6	20,26	4,302	36	43	382
18300	Lynx	4		6	21,51	3,778	52	21	56
18301	Cancer	8½		6	22,62	3,452	67	23	212
18302	Hydra	6½		6	23,19	3,095	88	26	274
18303	Hydra	8		6	25,39	3,012	93	34	320
18304	Hydra	9		6	28,47	3,022	91	51	276
18305	Cancer	8		6	28,85	3,360	72	28	279
18306	Lynx	8		6	35,11	3,749	53	29	220
18307	Lynx	7		6	35,95	3,749	53	29	322
18308	Malus.....	7½		6	39,74	2,686	112	40	285
18309	Hydra	6		6	45,22	2,981	95	31	266
18310	Hydra	9		6	46,49	2,905	100	11	325
18311	Leo	7½		6	48,28	3,218	80	47	324
18312	Hydra	7½		6	48,35	3,126	86	29	324
18313	Hydra	8		6	48,89	2,723	110	41	284
18314	Cancer	9		6	49,69	3,307	75	30	217
18315	Hydra	6		6	53,00	2,942	97	55	268
18316	Cancer	8½		6	53,22	3,613	59	20	221
18317	Hydra	7		6	56,42	2,858	103	0	328
18318	Lynx	9		6	58,87	3,889	48	12	215
18319	Leo	6½		6	59,63	3,270	77	40	218
18320	Cancer	8	9	7	0,54	+3,396	70	23	221

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			h	m	s	s	°	'	"
18321	Cancer	8	9	7	0.69	+3,396	70	23	11.1
18322	Hydra	7½		7	4.95	2,730	110	22	11.3
18323	Leo	7		7	10.12	3,211	81	13	29.5
18324	Leo	7		7	10.27	3,211	81	13	28.7
18325	Hydra	7		7	12.91	2,761	108	38	11.2
18326	Lynx	9		7	13.25	3,848	49	37	24.0
18327	Hydra	9		7	15.17	2,858	103	1	49.4
18328	Hydra	7		7	15.44	3,092	88	36	49.0
18329	Hydra	6		7	16.62	2,904	100	16	13.1
18330	Malus.....	8		7	19.20	2,694	112	18	12.4
18331	Hydra	9		7	19.95	2,807	106	0	31.9
18332	Lynx	9½		7	21.29	3,888	48	11	38.9
18333	Cancer	9		7	23.37	3,472	66	15	14.3
18334	Cancer	8		7	25.54	3,368	71	55	47.5
18335	Leo	8		7	25.74	3,216	80	55	49.1
18336	Leo	6½		7	31.44	3,537	62	54	51.3
18337	Leo	7		7	32.24	3,537	62	54	51.4
18338	Lynx	8		7	33.03	3,799	51	24	36.5
18339	Hydra	6		7	38.77	2,846	103	44	39.3
18340	Hydra	9		7	44.18	3,196	82	5	50.2
18341	Hydra	9		7	44.90	2,994	94	44	19.2
18342	Cancer	6		7	47.74	3,376	71	27	18.9
18343	Hydra	7½		7	49.86	3,029	92	33	9.9
18344	Leo	9		7	50.92	3,515	63	59	0.4
18345	Hydra	7		7	51.51	2,890	101	7	46.2
18346	Hydra	9		7	56.51	2,817	105	29	18.2
18347	Hydra	8		7	58.52	3,094	88	27	26.8
18348	Hydra	9		7	59.22	3,073	89	46	30.8
18349	Leo	9		8	1.50	3,283	76	50	56.8
18350	Leo	9		8	3.57	3,256	78	26	57.9
18351	Hydra	9		8	3.61	2,849	103	36	10.8
18352	Leo	8½		8	6.47	3,578	60	52	24.1
18353	Lynx	6½		8	7.55	4,020	43	47	29.8
18354	Leo	8		8	9.12	3,260	78	12	59.6
18355	Leo	8		8	12.33	3,499	64	44	37.2
18356	Hydra	8		8	16.44	2,729	110	30	25.6
18357	Cancer	8		8	16.79	3,426	68	37	5.6
18358	Leo	9		8	17.61	3,554	61	59	58.8
18359	Lynx	9		8	19.67	3,698	55	23	51.2
18360	Lynx	6	9	8	24.13	+3,808	50	58	32.2
									+14,611
									14,616
									14,621
									14,621
									14,624
									14,624
									14,626
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									14,680
									14,683
									14,687
									14,687
									14,688
									14,690
									+14,695

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			h m s	s	° ' "	"	
18361	Lynx	9	9 8 25.15	+3.707	54 59 2.3	+14.696	220
18362	Lynx	6½	8 25.41	3.807	50 58 27.1	14.696	58
18363	Lynx	8	8 26.69	3.707	54 59 3.5	14.697	322
18364	Lynx	9	8 30.69	3.769	52 26 39.0	14.701	56
18365	Hydra	8½	8 34.16	2.941	98 2 55.3	14.705	268
18366	Lynx	8½	8 35.32	3.867	48 46 43.7	14.706	215
18367	Lynx	7	8 35.44	3.847	49 29 44.2	14.706	224
18368	Lynx	7½	8 38.98	3.863	48 52 39.7	14.709	215
18369	Malus	8½	8 45.33	2.701	112 6 8.9	14.716	285
18370	Leo	9	8 48.75	3.215	80 53 5.1	14.719	324
18371	Lynx	4	8 49.96	3.711	54 46 16.4	14.720	323
18372	Lynx	4	8 49.99	3.711	54 46 16.2	14.720	220
18373	Leo	9	8 52.42	3.292	76 14 29.2	14.722	217
18374	Hydra	7½	8 52.47	2.785	107 24 53.9	14.723	282
18375	Lynx	9	8 58.04	3.712	54 43 22.2	14.728	220
18376	Lynx	8½	8 58.30	3.712	54 43 26.4	14.729	323
18377	Hydra	7	8 59.47	3.044	91 37 19.9	14.730	276
18378	Hydra	8½	9 3.11	2.813	105 47 41.2	14.733	281
18379	Lynx	9	9 3.67	3.653	56 19 24.2	14.734	209
18380	Hydra	9	9 4.86	2.700	112 8 58.4	14.735	285
18381	Hydra	8	9 8.67	2.706	111 50 30.6	14.739	285
18382	Cancer	9	9 8.73	3.423	68 44 7.9	14.739	212
18383	Lynx	7	9 16.85	3.675	56 15 29.1	14.747	209
18384	Leo	8	9 17.44	3.214	80 58 50.4	14.747	324
18385	Hydra	6½	9 19.32	3.166	83 56 46.3	14.749	327
18386	Cancer	7½	9 21.35	3.398	70 4 13.9	14.751	221
18387	Cancer	7½	9 21.91	3.398	70 4 15.4	14.752	219
18388	Hydra	8	9 22.88	2.905	100 19 11.5	14.753	325
18389	Cancer	8	9 28.20	3.363	72 2 4.9	14.758	279
18390	Leo	7	9 30.82	3.512	63 59 22.9	14.761	148
18391	Cancer	8	9 32.48	3.660	56 53 37.8	14.762	209
18392	Hydra	9	9 32.54	2.810	105 58 46.2	14.762	281
18393	Hydra	9	9 33.08	2.950	97 31 2.8	14.763	268
18394	Cancer	6	9 33.16	3.660	56 53 38.3	14.763	319
18395	Leo	9	9 33.85	3.528	63 8 45.2	14.764	147
18396	Hydra	7½	9 35.34	2.811	105 57 56.2	14.765	281
18397	Lynx	7½	9 47.32	3.858	48 56 16.1	14.777	215
18398	Hydra	9	9 47.79	3.049	91 17 43.2	14.778	276
18399	Leo	8½	9 48.09	3.515	63 48 2.8	14.778	148
18400	Hydra	7½	9 50.76	+2.988	95 9 17.6	+14.780	321

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			h m s	s	° ' "	"	
18401	Hydra	8	9 9 50.93	+2,988	95 9 19.1	+14,781	266
18402	Leo	8½	9 52.02	3,578	60 39 32.5	14,782	53
18403	Lynx	8½	9 52.09	3,737	53 34 54.5	14,782	220
18404	Hydra	6½	9 54.06	2,902	100 28 42.2	14,784	325
18405	Leo	8	10 4.57	3,275	77 12 2.7	14,794	218
18406	Hydra	7	10 5.31	2,710	111 43 4.7	14,795	285
18407	Hydra	6	10 6.85	2,828	104 59 36.7	14,796	278
18408	Hydra	5	10 8.27	2,892	101 8 19.3	14,798	328
18409	Leo	8½	10 8.83	3,464	66 23 25.0	14,798	215
18410	Hydra	8	10 9.52	3,087	88 52 37.0	14,799	275
18411*	Hydra	7½	10 9.82	3,087	88 52 31.6	14,799	51
18412	Cancer	7	10 11.60	3,332	73 47 21.5	14,801	52
18413	Leo	9	10 11.74	3,215	80 53 20.2	14,801	324
18414	Cancer	7	10 17.38	3,353	72 33 28.6	14,806	279
18415	Lynx	9	10 20.06	3,841	49 27 17.6	14,809	224
18416	Lynx	8½	10 20.06	3,841	49 27 12.6	14,809	58
18417	Lynx	8	10 20.25	3,841	49 27 14.5	14,809	215
18418	Hydra	7	10 20.51	3,086	88 58 41.3	14,809	275
18419	Hydra	7	10 20.62	3,086	88 58 37.8	14,810	51
18420	Hydra	7½	10 21.03	2,870	102 28 6.6	14,810	328
18421	Leo	7	10 22.06	3,294	76 2 28.3	14,811	217
18422	Cancer	7½	10 32.52	3,390	70 24 23.5	14,822	221
18423	Cancer	8	10 32.68	3,392	70 19 19.8	14,822	219
18424	Leo	8	10 34.51	3,440	67 39 34.0	14,823	212
18425	Hydra	8	10 34.92	2,931	98 46 8.1	14,824	268
18426	Hydra	7½	10 35.59	3,171	83 34 31.9	14,824	327
18427	Hydra	8½	10 38.28	3,002	94 16 48.4	14,827	321
18428	Lynx	9	10 42.29	3,779	51 45 59.2	14,831	56
18429	Hydra	6	10 42.91	2,932	98 42 52.0	14,832	268
18430	Hydra	7	10 45.27	3,129	86 13 8.0	14,834	324
18431	Hydra	8½	10 47.71	2,782	107 41 56.0	14,836	282
18432	Hydra	8	10 47.72	3,137	85 44 29.2	14,837	324
18433	Hydra	8	10 48.29	3,170	83 39 5.0	14,837	327
18434	Lynx	8½	10 50.49	3,824	50 1 11.3	14,839	58
18435	Hydra	9	10 53.46	3,036	92 7 44.4	14,842	276
18436	Hydra	8	10 54.04	2,961	96 53 18.4	14,843	266
18437	Lynx	8½	10 58.69	3,671	56 13 57.5	14,847	209
18438	Leo	8	11 0.69	3,520	63 23 47.8	14,849	148
18439	Leo	8	11 0.91	3,520	63 23 45.7	14,849	147
18440	Leo	8	9 11 1.80	+3,213	80 56 49.4	+14,850	324

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			h m s	s	° ' "	"	
18441	Lynx	8½	9 11 4.78	+3,674	56 4 0.4	+14,853	209
18442	Hydra	9	11 6.58	2,802	106 34 54.8	14,855	281
18443	Lynx	8	11 11.17	3,683	55 41 25.0	14,859	209
18444	Hydra	8½	11 14.42	2,863	102 58 12.7	14,863	328
18445	Malus.....	8	11 16.65	2,695	112 38 16.2	14,865	285
18446	Leo	9	11 18.98	3,279	76 52 45.5	14,867	217
18447	Leo	8½	11 19.81	3,284	76 35 47.2	14,868	217
18448	Ursa Major ..	8½	11 22.13	4,345	35 7 58.9	14,870	382
18449	Malus.....	9	11 23.10	2,696	112 34 45.6	14,871	285
18450	Hydra	6½	11 27.95	2,833	104 46 9.0	14,876	278
18451	Lynx	7½	11 33.35	3,707	54 36 2.6	14,881	220
18452	Lynx	6½	11 33.55	3,707	54 36 3.5	14,881	323
18453	Cancer .....	.	11 34.58	3,361	72 1 24.0	14,882	219
18454	Cancer	7½	11 34.83	3,378	71 1 24.3	14,883	221
18455	Cancer	7½	11 34.88	3,378	71 1 19.2	14,883	279
18456	Hydra	7½	11 37.68	3,039	91 56 57.2	14,885	276
18457	Cancer	8	11 41.13	3,337	73 22 27.5	14,889	52
18458	Hydra	9	11 44.59	3,182	82 51 30.2	14,892	273
18459	Lynx	8½	11 44.93	3,712	54 21 29.3	14,892	323
18460	Hydra	8	11 46.07	2,741	110 8 17.5	14,894	284
18461	Hydra	8½	11 48.19	3,039	91 57 47.2	14,896	276
18462	Malus.....	8	11 53.06	2,685	113 15 16.9	14,900	285
18463	Hydra	8	11 53.20	3,151	84 47 22.9	14,901	327
18464	Hydra	8½	11 55.88	3,076	89 34 50.8	14,903	51
18465	Leo	6½	11 55.94	3,507	63 58 13.6	14,903	148
18466	Lynx	7½	11 58.63	3,755	52 33 48.2	14,906	56
18467	Lynx	8	12 5.17	3,701	54 48 12.9	14,912	220
18468	Lynx	7½	12 5.40	3,701	54 48 15.7	14,913	323
18469	Leo	9	12 6.74	3,560	61 15 6.9	14,914	53
18470	Lynx	8½	12 7.28	3,979	44 31 31.6	14,914	352
18471	Hydra	9½	12 9.87	2,798	106 53 57.7	14,917	281
18472	Hydra	8½	12 11.87	2,798	106 54 31.8	14,919	281
18473	Lynx	8½	12 12.82	3,875	47 59 45.7	14,920	215
18474	Lynx	8½	12 13.40	3,959	45 7 56.4	14,920	55
18475	Lynx	8½	12 14.27	3,866	48 18 17.0	14,921	215
18476	Hydra	8	12 17.88	2,868	102 41 36.8	14,925	328
18477	Hydra	7½	12 26.28	2,988	95 12 52.0	14,933	321
18478	Hydra	7½	12 26.29	2,988	95 12 57.8	14,933	266
18479	Leo	6½	12 27.22	3,520	63 13 53.1	14,934	148
18480	Leo	7	9 12 27.90	+3,520	63 13 43.0	+14,935	147

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			h m s	s	° ' "	"	
18481	Leo	8	9 12 28,97	+3,416	68° 47' 21,6	+14,936	212
18482	Leo	8	12 46,04	3,475	65 34 13,8	14,952	215
18483	Hydra	9	12 49,27	3,137	85 38 51,2	14,955	324
18484	Leo	9	12 49,39	3,400	69 40 3,3	14,955	221
18485	Leo	9	12 49,40	3,400	69 40 2,7	14,955	219
18486	Hydra	7½	12 50,27	3,137	85 39 6,2	14,956	324
18487	Leo	7½	12 50,32	3,204	81 26 10,1	14,956	273
18488	Hydra	7½	12 50,81	3,004	94 11 35,4	14,957	321
18489	Hydra	9	12 51,69	3,007	94 0 22,9	14,958	321
18490	Malus.....	8½	12 54,93	2,686	113 17 7,4	14,961	285
18491	Leo x	4	12 58,33	3,524	62 57 55,9	14,964	148
18492	Leo x	4½	12 58,81	3,524	62 57 52,9	14,965	147
18493	Lynx	8½	13 1,59	3,748	52 40 42,7	14,967	56
18494	Lynx	9	13 2,73	3,873	47 56 35,9	14,968	215
18495	Leo	9	13 3,01	3,296	75 45 42,5	14,969	217
18496	Hydra	7	13 3,67	2,841	104 23 8,4	14,969	278
18497	Hydra	8	13 5,79	2,929	98 59 21,4	14,971	268
18498	Lynx	9	13 6,06	3,894	47 12 11,3	14,971	55
18499	Hydra	6½	13 8,45	3,164	83 55 54,7	14,974	327
18500	Lynx	8½	13 8,97	3,784	51 15 23,4	14,974	224
18501	Lynx	8½	13 9,26	3,822	49 47 55,9	14,975	58
18502	Hydra	7	13 9,91	2,797	107 2 43,7	14,975	281
18503	Lynx	8½	13 10,16	3,784	51 15 24,0	14,976	58
18504	Leo	8	13 14,42	3,591	59 36 11,6	14,980	53
18505	Hydra	7½	13 15,30	3,120	86 44 29,2	14,980	324
18506	Leo	8½	13 15,99	3,249	78 36 8,4	14,981	218
18507	Hydra	8½	13 16,34	2,963	96 51 59,7	14,981	266
18508	Leo	7½	13 18,90	3,376	71 0 24,3	14,984	219
18509	Leo	7½	13 19,11	3,376	71 0 24,7	14,984	221
18510	Lynx	8	13 19,55	3,716	53 59 47,5	14,984	220
18511	Lynx	7½	13 20,05	3,714	54 4 49,0	14,985	323
18512	Hydra	9	13 20,75	2,865	102 58 38,0	14,986	328
18513	Leo	8½	13 21,86	3,505	63 55 23,9	14,987	148
18514	Hydra	9	13 27,46	2,717	111 40 28,0	14,992	285
18515	Lynx	8½	13 27,60	3,718	53 52 32,4	14,992	220
18516	Lynx	8	13 28,06	3,718	53 52 37,9	14,993	323
18517	Leo	7	13 28,23	3,387	70 21 24,1	14,993	221
18518	Hydra	9	13 28,39	2,838	104 38 34,7	14,993	278
18519	Leo	7	13 28,70	3,404	69 21 22,5	14,994	219
18520	Leo	7	9 13 31,03	+3,368	71 26 16,8	+14,996	279

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			h m s	s	° ' "	"	
18521	Hydra	9	9 13 31.74	+2,963	96 49 24.7	+14,996	266
18522	Leo	7	13 32.08	3,611	58 38 39.4	14,997	221
18523	Leo	9	13 33.25	3,459	66 20 49.8	14,998	215
18524	Hydra	8	13 34.71	3,105	87 43 21.3	14,999	275
18525	Leo Minor....	8	13 37.79	3,660	56 23 7.2	15,002	209
18526	Leo	8	13 49.34	3,230	79 46 15.9	15,013	324
18527	Hydra	8½	13 50.39	2,744	110 9 8.1	15,014	284
18528	Hydra	8½	13 50.78	2,914	99 57 56.8	15,015	325
18529	Hydra	8	13 55.26	3,000	94 30 40.4	15,019	321
18530	Leo	9	13 55.46	3,502	64 1 10.2	15,019	148
18531	Hydra	7	13 55.74	3,157	84 23 0.5	15,020	327
18532	Leo	7	13 56.00	3,182	82 47 46.4	15,020	273
18533	Lynx	9	13 58.03	3,727	53 26 28.2	15,022	220
18534	Hydra	7	14 1.23	2,998	94 36 56.7	15,025	321
18535	Lynx	7½	14 3.58	3,864	48 7 9.2	15,027	215
18536	Hydra	8½	14 4.05	3,001	94 27 36.3	15,028	321
18537	Leo	8	14 4.83	3,232	79 37 25.7	15,028	324
18538	Hydra	8	14 4.84	2,833	104 57 8.2	15,028	278
18539	Hydra	6½	14 5.81	2,744	110 11 23.4	15,029	284
18540	Hydra	7½	14 6.56	2,819	105 48 59.3	15,030	281
18541	Leo	9	14 8.05	3,522	62 56 32.2	15,032	147
18542	Leo	9½	14 10.66	3,454	66 30 53.0	15,034	215
18543	Leo	8½	14 13.52	3,571	60 29 20.0	15,037	53
18544	Leo	9	14 14.96	3,246	78 43 49.7	15,038	218
18545	Lynx	8	14 17.93	3,744	52 41 8.1	15,041	56
18546	Leo	9½	14 24.64	3,413	68 45 47.1	15,047	212
18547	Leo	8	14 26.32	3,231	79 39 53.9	15,049	324
18548	Leo	6	14 26.41	3,347	72 33 32.3	15,049	279
18549	Hydra	9	14 32.47	3,106	87 38 36.4	15,055	275
18550	Leo	8½	14 32.59	3,509	63 33 29.9	15,055	148
18551	Hydra	7½	14 32.72	3,145	85 8 11.8	15,055	327
18552	Leo	8	14 34.78	3,623	57 57 36.0	15,057	221
18553	Lynx	7½	14 37.26	3,912	46 22 38.0	15,060	55
18554	Lynx	8	14 38.12	4,004	43 23 7.9	15,061	352
18555	Leo Minor....	8	14 44.39	3,663	56 5 9.1	15,067	209
18556	Leo	7½	14 47.95	3,180	82 53 10.7	15,070	273
18557	Leo	9	14 48.66	3,387	70 14 35.7	15,071	219
18558	Hydra	6½	14 50.54	3,017	93 25 35.3	15,072	276
18559	Hydra	9½	14 52.04	2,825	105 30 17.7	15,074	281
18560	Leo	9	9 14 53.09	+3,248	78 34 16.7	+15,075	218

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			h m s	s	° ' "	"	
18561	Hydra	7½	9 14 53.83	+3.149	84 51 24.3	+15.076	327
18562	Lynx	7½	14 56.11	3.865	47 56 36.3	15.078	215
18563	Leo	9	15 2.60	3.523	62 47 0.4	15.084	147
18564	Lynx	8	15 6.64	3.923	45 55 14.9	15.088	55
18565	Hydra	7	15 12.25	2.913	100 4 48.3	15.093	325
18566	Leo	8	15 16.34	3.219	80 20 38.0	15.097	324
18567	Leo	7½	15 19.55	3.389	70 5 5.1	15.101	221
18568	Leo	7½	15 20.11	3.389	70 5 3.7	15.101	219
18569	Lynx	8½	15 21.03	3.701	54 20 22.4	15.102	323
18570	Hydra <i>A</i>	6	15 24.12	3.004	94 15 43.9	15.105	321
18571	Hydra	7½	15 24.21	2.837	104 47 0.8	15.105	278
18572	Lynx	5½	15 29.35	3.996	43 31 50.6	15.110	352
18573	Leo	8	15 30.80	3.348	72 16 36.4	15.111	279
18574	Hydra	7½	15 31.12	2.984	95 32 58.3	15.112	266
18575	Lynx	9	15 32.26	3.995	43 33 15.6	15.113	352
18576	Hydra	7½	15 35.53	3.129	86 6 49.3	15.116	324
18577	Hydra	9	15 41.49	3.092	88 32 30.4	15.121	275
18578	Hydra	8	15 47.03	2.827	105 27 1.7	15.127	281
18579	Leo	9	15 47.35	3.318	74 12 27.1	15.127	52
18580	Leo	8½	15 48.67	3.370	71 6 19.3	15.128	221
18581	Leo	8½	15 48.74	3.370	71 6 13.9	15.128	219
18582	Hydra	8	15 48.96	2.697	112 58 10.1	15.129	285
18583	Hydra	7	15 51.87	3.064	90 22 39.2	15.131	51
18584	Leo	9	15 57.64	3.308	74 50 6.9	15.137	52
18585	Leo	8	16 0.85	3.183	82 36 44.4	15.140	273
18586	Hydra	8½	16 3.48	2.831	105 14 13.6	15.143	281
18587	Hydra	8	16 4.48	3.121	86 38 11.3	15.143	324
18588	Hydra	6	16 10.70	3.060	90 36 19.8	15.149	51
18589	Lynx	9	16 15.32	3.792	50 29 14.5	15.154	224
18590*	Lynx	8½	16 15.64	3.792	50 29 9.4	15.154	58
18591	Leo	9	16 16.49	3.463	65 48 18.8	15.155	215
18592	Leo	9½	16 18.72	3.457	66 9 14.1	15.157	215
18593	Lynx	8½	16 27.53	3.858	48 0 19.6	15.165	215
18594	Ursa Major... <i>d</i>	6½	16 32.10	5.568	19 18 12.3	15.170	366
18595	Leo	8½	16 33.45	3.462	65 51 13.8	15.171	215
18596	Lynx	9	16 41.26	3.911	46 5 54.5	15.179	55
18597	Hydra	8	16 42.04	3.045	91 38 32.4	15.179	276
18598	Lynx	8½	16 43.23	3.838	48 42 23.2	15.180	215
18599	Hydra	7½	16 44.75	2.753	109 54 8.8	15.182	284
18600	Leo	7½	9 16 44.81	+3.179	82 53 51.0	+15.182	273

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			h m s	s	° ' "	"	
18601	Leo	8½	9 16 45.92	+3,252	78° 14' 26.6	+15.183	218
18602	Hydra	9	16 48.26	2,885	101 56 25.2	15,185	328
18603	Leo	9	16 51.73	3,260	77 43 10.9	15,188	218
18604	Leo	8	16 58.64	3,297	75 23 19.0	15,195	217
18605	Lynx	9	17 14.91	3,908	46 6 55.7	15,211	55
18606	Leo	7½	17 15.20	3,210	80 50 38.0	15,211	324
18607*	Hydra	6½	17 26.54	2,942	98 21 50.0	15,222	329
18608	Hydra	7	17 26.86	2,942	98 21 41.1	15,222	268
18609	Hydra	8	17 26.97	2,884	102 2 55.7	15,222	328
18610	Hydra	8	17 31.63	3,126	86 17 35.9	15,227	324
18611	Lynx	8	17 32.64	3,795	50 12 42.6	15,228	224
18612	Lynx	8½	17 34.02	3,795	50 12 36.7	15,229	58
18613	Leo	8	17 34.29	3,279	76 27 19.5	15,229	217
18614	Malus.....	7	17 40.13	2,695	113 18 28.6	15,235	285
18615	Leo	9	17 41.00	3,263	77 30 7.8	15,235	218
18616	Leo	7	17 41.71	3,274	76 45 5.9	15,236	217
18617	Leo	7½	17 41.79	3,173	83 13 51.8	15,236	273
18618	Hydra α	2	17 43.45	2,951	97 47 47.7	15,238	281
18619	Leo ω	5	17 44.07	3,222	80 4 46.8	15,238	324
18620	Hydra α	2	17 45.39	2,951	97 47 56.3	15,239	268
18621	Hydra α	2	17 45.42	2,951	97 47 53.3	15,239	329
18622	Leo	9	17 45.46	3,389	69 51 0.0	15,239	219
18623	Hydra α	2	17 45.56	2,951	97 47 56.4	15,239	325
18624	Leo	8	17 45.56	3,389	69 50 53.3	15,239	221
18625	Hydra α	2	17 45.57	2,951	97 47 55.9	15,240	328
18626	Hydra α	.	17 45.72	2,951	97 47 53.9	15,240	152
18627	Hydra α	2	17 45.77	2,951	97 47 53.5	15,240	321
18628	Hydra α	2	17 45.81	2,951	97 47 52.5	15,240	278
18629	Hydra α	2	17 46.05	2,951	97 47 54.0	15,240	276
18630	Hydra α	2	17 46.08	2,951	97 47 58.4	15,240	266
18631	Leo Minor....	8½	17 47.22	3,664	55 34 53.2	15,241	209
18632	Leo	II	17 48.94	3,208	80 56 51.1	15,243	324
18633	Hydra	6½	17 51.48	3,064	90 23 24.0	15,246	51
18634	Leo Minor....	8½	17 55.31	3,660	55 49 37.6	15,249	209
18635	Leo	8½	17 58.66	3,277	76 33 0.7	15,252	217
18636	Leo	8½	18 3.23	3,417	68 13 13.3	15,256	212
18637	Leo	8	18 5.15	3,631	57 5 24.7	15,258	209
18638	Leo	7	18 6.34	3,631	57 5 25.1	15,260	221
18639	Hydra	5½	18 9.20	2,728	111 28 26.1	15,262	285
18640	Hydra	6	9 18 9.35	+2,728	111 28 23.9	+15,262	284

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			h m s	s	° ' "	"	
18641	Leo	9	9 18 13,31	+3,403	68° 59' 47,8	+15,266	221
18642	Leo	8	18 14,76	3,616	57 48 20,7	15,267	221
18643	Hydra	6½	18 15,82	3,049	91 20 15,4	15,268	51
18644	Lynx	9	18 18,90	3,837	48 29 17,3	15,271	215
18645	Hydra	8	18 20,25	2,965	96 51 25,7	15,272	266
18646	Hydra	8	18 20,77	2,930	99 9 42,6	15,273	329
18647	Leo	7	18 23,58	3,360	71 28 52,7	15,276	279
18648	Hydra	8½	18 28,28	2,960	97 13 26,8	15,280	266
18649	Leo Minor....	9	18 32,86	3,724	52 56 2,6	15,284	56
18650	Hydra	8	18 34,28	2,931	99 7 22,5	15,286	329
18651	Leo Minor....	6	18 35,50	3,665	55 28 27,3	15,287	209
18652	Hydra	7½	18 37,12	2,943	98 19 52,0	15,288	329
18653	Leo Minor....	7½	18 41,01	3,678	54 55 7,4	15,293	221
18654	Leo Minor....	7½	18 42,19	3,677	54 55 11,3	15,293	323
18655	Hydra	7½	18 47,30	2,726	111 39 59,0	15,298	285
18656	Leo	9	18 48,37	3,200	81 27 39,1	15,299	273
18657	Hydra	6	18 52,04	2,991	95 11 42,7	15,303	321
18658	Ursa Major ..	9	18 54,43	5,513	19 29 2,3	15,305	366
18659	Leo	9	18 58,94	3,427	67 33 1,8	15,309	212
18660	Hydra r¹	5	18 59,49	3,041	91 54 6,4	15,309	276
18661	Hydra	7½	18 59,60	3,041	91 53 0,3	15,310	276
18662	Leo	7	19 1,33	3,431	67 19 3,5	15,311	212
18663	Lynx	8½	19 5,41	3,781	50 32 23,5	15,315	58
18664	Hydra	8	19 8,58	2,828	105 39 21,4	15,318	281
18665	Leo	9	19 15,32	3,545	61 7 58,5	15,325	53
18666	Lynx	7½	19 19,00	3,921	45 22 54,9	15,328	55
18667	Hydra	8	19 19,07	2,875	102 42 10,5	15,328	328
18668	Leo Minor....	5	19 19,27	3,696	54 1 15,9	15,328	221
18669	Leo Minor....	5	19 19,59	3,696	54 1 14,4	15,329	323
18670	Leo Minor....	8	19 23,53	3,727	52 41 55,9	15,332	56
18671	Hydra	8½	19 26,28	2,814	106 30 56,4	15,335	282
18672	Hydra	7½	19 29,22	3,168	83 28 57,7	15,338	327
18673	Hydra	7	19 29,23	3,168	83 28 56,4	15,338	273
18674	Hydra	6½	19 29,33	3,039	93 22 34,0	15,338	321
18675	Hydra	8	19 30,10	3,116	86 56 0,2	15,339	324
18676	Hydra	7½	19 30,39	2,757	109 56 6,6	15,339	284
18677	Leo	8½	19 30,50	3,281	76 11 13,6	15,339	217
18678	Hydra	9	19 30,85	2,840	104 57 9,3	15,339	278
18679	Leo	8	19 31,86	3,488	64 4 55,8	15,340	148
18680	Leo	9	9 19 35,41	+3,317	73 56 59,1	+15,344	52

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			h m s	s	° ' "	"	
18681	Lynx	9 19 36.07	+3,816	49 6 27.1	+15,344	215
18682	Hydra	8½	19 38.73	2,970	96 37 42.2	15,347	266
18683	Leo	9	19 39.14	3,420	67 50 22.2	15,347	212
18684	Hydra	7	19 42.42	2,873	102 52 14.3	15,350	328
18685	Leo	8	19 45.59	3,290	75 38 0.0	15,353	217
18686	Hydra	8	19 46.74	2,764	109 34 10.9	15,354	284
18687	Ursa Major ..	8½	19 56.75	4,224	36 40 43.5	15,364	382
18688	Hydra	6	20 0.41	2,759	109 53 0.4	15,367	284
18689	Hydra	8½	20 1.73	2,956	97 32 17.7	15,368	329
18690	Hydra	7½	20 3.56	2,813	106 38 14.0	15,370	281
18691	Lynx	6½	20 5.69	3,971	43 36 39.1	15,372	352
18692	Leo	7	20 6.42	3,531	61 44 26.9	15,372	147
18693	Lynx	8	20 9.10	3,905	45 48 52.4	15,375	55
18694	Hydra	8	20 11.45	2,993	95 7 58.7	15,377	321
18695	Leo	9	20 13.60	3,410	68 23 13.9	15,379	212
18696	Leo	7½	20 15.86	3,237	78 58 28.5	15,381	218
18697	Hydra	7½	20 16.14	3,102	87 52 20.8	15,382	275
18698	Leo λ	4	20 17.49	3,449	66 9 28.9	15,383	215
18699	Leo	9	20 18.33	3,485	64 9 51.1	15,384	148
18700	Leo	9	20 19.04	3,622	57 14 50.2	15,384	209
18701	Leo	7½	20 25.82	3,279	76 16 7.9	15,391	217
18702	Leo	8½	20 27.85	3,236	79 0 58.5	15,393	218
18703	Leo	7½	20 28.09	3,397	69 7 2.3	15,393	221
18704	Leo	7	20 36.58	3,326	73 21 24.2	15,401	279
18705	Hydra	7	20 37.19	3,022	93 11 38.7	15,401	276
18706	Hydra	7	20 37.63	3,022	93 11 45.6	15,402	321
18707	Hydra	7	20 42.81	3,129	86 2 57.7	15,407	324
18708	Leo	9	20 45.59	3,397	69 4 42.3	15,409	221
18709	Hydra	6½	20 46.03	2,715	112 28 32.6	15,410	285
18710	Hydra	8½	20 46.61	2,844	104 45 7.6	15,410	278
18711	Hydra	9	20 48.05	2,812	106 44 7.6	15,411	281
18712	Hydra	8½	20 48.98	3,137	85 28 44.7	15,412	324
18713	Hydra	8	20 49.11	2,957	97 28 25.5	15,412	329
18714	Leo	8	20 50.89	3,428	67 16 6.3	15,414	215
18715	Hydra	6	20 54.67	2,845	104 42 7.4	15,418	278
18716	Lynx	8	20 55.11	3,961	43 50 6.7	15,418	352
18717	Hydra	6½	20 55.90	2,998	94 47 32.8	15,419	321
18718	Leo Minor....	8	20 56.10	3,727	52 27 43.3	15,419	56
18719	Hydra	9	20 56.93	2,780	108 41 39.3	15,420	282
18720	Ursa Major ..	5½	9 21 1.47	+4,201	37 4 7.5	+15,424	382

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			h m s	s	° ' "	"	
18721	Leo	7½	9 21 5,77	+3,522	62 7 23,4	+15,428	147
18722	Ursa Major ..	7	21 7,25	4,011	42 13 41,2	15,429	353
18723	Leo	7½	21 7,94	3,592	58 33 10,7	15,430	319
18724	Leo	8	21 8,60	3,592	58 33 17,9	15,431	221
18725	Leo Minor....	7	21 11,12	3,722	52 38 6,4	15,433	56
18726	Hydra	7	21 11,74	3,105	87 39 39,6	15,433	275
18727	Hydra	7½	21 13,06	3,033	92 26 59,0	15,435	276
18728	Leo	6	21 13,26	3,229	79 24 35,3	15,435	218
18729	Leo	5	21 13,84	3,229	79 24 34,1	15,435	324
18730	Leo	9	21 14,21	3,409	68 21 12,1	15,436	212
18731	Hydra	8½	21 16,91	2,954	97 43 32,4	15,438	329
18732	Leo Minor....	9	21 18,51	3,905	45 38 6,7	15,440	55
18733	Hydra	8	21 18,60	2,757	110 6 23,2	15,440	284
18734	Ursa Major ..	9	21 23,01	5,437	19 49 35,2	15,444	366
18735	Leo	8	21 24,96	3,393	69 16 7,6	15,446	221
18736	Leo	8	21 25,22	3,393	69 16 6,1	15,446	219
18737	Hydra	9	21 28,48	2,843	104 52 5,3	15,449	278
18738	Lynx	9½	21 28,88	3,784	50 2 32,3	15,449	224
18739	Lynx	8½	21 30,01	3,784	50 2 26,9	15,451	58
18740	Hydra	8½	21 31,10	2,961	97 16 20,1	15,451	329
18741	Hydra	8	21 31,83	2,961	97 16 12,6	15,452	266
18742	Leo	7	21 33,42	3,547	60 45 16,6	15,454	53
18743	Leo	8	21 36,58	3,324	73 21 25,0	15,457	52
18744	Hydra	7½	21 41,56	3,032	92 30 36,3	15,461	276
18745	Leo Minor....	9	21 43,94	3,719	52 41 54,6	15,464	56
18746	Hydra	8½	21 44,60	2,961	97 17 49,1	15,464	329
18747	Hydra	9	21 45,17	2,714	112 38 18,3	15,465	285
18748	Lynx	8	21 45,34	3,785	49 58 12,3	15,465	224
18749	Ursa Major ..	9	21 45,74	4,250	35 49 23,3	15,465	382
18750	Lynx	8½	21 46,31	3,785	49 58 2,9	15,466	58
18751	Hydra	6½	21 48,76	2,901	101 11 5,1	15,468	326
18752	Hydra	7	21 48,80	2,901	101 11 11,8	15,468	328
18753	Hydra	7½	21 50,76	3,007	94 12 16,4	15,470	321
18754	Hydra	6	21 53,53	2,924	99 40 40,7	15,473	326
18755	Hydra	8½	21 53,93	2,971	96 37 11,7	15,473	266
18756	Leo	9	21 54,86	3,336	72 37 50,6	15,473	279
18757	Leo Minor....	5	21 55,71	3,717	52 43 18,7	15,474	56
18758	Leo	7	21 56,33	3,188	82 3 35,5	15,475	273
18759	Leo Minor....	8	22 3,81	3,641	56 6 8,6	15,482	209
18760	Leo Minor....	7½	9 22 3,86	+3,680	54 18 33,9	+15,482	323

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18761	Hydra	8	h m s 9 22 6.44	+3,030	92° 38' 18.7"	+15.484	276
18762	Hydra	6½	22 11.45	2,927	99 29 52.1	15.489	326
18763	Leo	8½	22 16.37	3,365	70 50 9.0	15.494	219
18764	Hydra	6	22 20.41	3,110	87 15 25.0	15.498	324
18765	Hydra	6	22 20.89	3,110	87 15 25.0	15.498	275
18766	Hydra	8	22 25.66	2,716	112 37 45.3	15.502	286
18767	Leo	8½	22 27.26	3,372	70 23 4.0	15.504	221
18768	Leo	8	22 27.41	3,372	70 23 10.5	15.504	219
18769	Hydra	7	22 27.47	2,921	99 58 8.8	15.504	326
18770	Hydra	9	22 29.80	2,898	101 24 41.8	15.506	328
18771	Hydra	8½	22 30.41	2,753	110 28 12.2	15.507	284
18772	Lynx	5½	22 31.60	3,794	49 30 4.1	15.508	224
18773	Lynx	5½	22 32.02	3,794	49 29 54.8	15.508	58
18774	Lynx	5½	22 32.12	3,794	49 30 2.0	15.508	215
18775	Leo	7	22 32.69	3,453	65 39 41.9	15.508	215
18776	Hydra	9	22 32.97	2,968	96 51 1.5	15.509	266
18777	Leo	8½	22 33.94	3,220	79 57 5.1	15.510	324
18778	Hydra	8	22 36.80	3,145	84 56 49.2	15.512	327
18779	Leo Minor....	7½	22 37.40	3,679	54 18 34.7	15.513	221
18780	Lynx	9	22 42.81	3,803	49 7 46.9	15.518	225
18781	Lynx	9	22 44.34	3,803	49 7 45.3	15.520	215
18782	Hydra	7½	22 45.88	2,916	100 18 39.1	15.521	326
18783	Lynx	8	22 48.01	3,802	49 9 21.9	15.523	225
18784	Lynx	8	22 49.47	3,802	49 9 17.7	15.524	215
18785	Lynx	9	22 49.70	3,802	49 9 47.0	15.525	225
18786	Lynx	9	22 50.21	3,802	49 9 45.8	15.525	215
18787	Leo	9½	22 50.23	3,265	77 1 57.4	15.525	217
18788	Hydra	9	22 50.36	2,720	112 27 21.9	15.525	286
18789	Leo	8½	22 57.50	3,597	58 5 29.3	15.532	319
18790	Leo	9	22 57.63	3,597	58 5 25.9	15.532	221
18791	Hydra	9	23 0.40	2,785	108 35 3.0	15.534	282
18792	Hydra	5½	23 2.59	2,786	108 31 25.8	15.536	282
18793	Hydra	8½	23 3.64	3,139	85 18 31.7	15.537	324
18794	Hydra	6	23 11.22	2,956	97 37 28.3	15.544	329
18795	Leo	9	23 11.81	3,164	83 36 1.2	15.545	327
18796	Hydra	8	23 13.65	3,018	93 31 49.8	15.547	321
18797	Leo	8½	23 16.01	3,365	70 42 48.0	15.549	219
18798	Hydra	7	23 19.55	2,873	103 7 20.7	15.552	328
18799	Hydra	6	23 19.66	2,880	102 38 16.7	15.552	328
18800	Hydra	7	9 23 20.00	+2,873	103 7 16.5	+15.552	278

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18801	Ursa Major ..	8	9 23 21,27	+5,320	20 34 26,3	+15,554	366
18802	Leo Minor....	9½	23 22,65	3,881	46 8 57,0	15,555	55
18803	Hydra	6½	23 25,40	2,995	96 18 35,0	15,558	266
18804	Leo	9	23 25,58	3,358	71 9 0,0	15,558	221
18805	Leo	9	23 26,10	3,534	61 11 1,3	15,558	147
18806	Leo	9	23 26,57	3,534	61 10 56,6	15,559	53
18807	Leo .....	.	23 32,14	3,501	62 55 27,8	15,564	148
18808	Leo	8	23 32,80	3,501	62 55 23,8	15,564	147
18809	Leo Minor....	7½	23 34,99	3,675	54 19 54,9	15,566	221
18810	Leo Minor....	7	23 35,40	3,675	54 20 0,0	15,567	323
18811	Leo	7½	23 35,53	3,596	58 1 57,3	15,567	319
18812	Leo Minor....	6½	23 36,99	3,698	53 17 34,8	15,568	56
18813	Leo	8	23 37,08	3,596	58 2 0,0	15,568	221
18814	Leo Minor....	6	23 37,36	3,698	53 17 34,1	15,568	221
18815	Leo	9	23 40,69	3,333	72 40 15,9	15,572	279
18816	Hydra	9	23 55,34	2,714	112 55 19,3	15,585	286
18817	Hydra	5½	24 0,10	2,759	110 14 14,7	15,589	284
18818	Hydra	8½	24 1,30	3,008	94 12 51,7	15,591	321
18819	Leo	7	24 1,91	3,204	80 55 46,7	15,591	324
18820	Leo	7	24 2,29	3,204	80 55 48,9	15,591	273
18821	Hydra	7	24 6,14	2,755	110 30 41,8	15,595	284
18822	Hydra	8½	24 6,63	3,135	85 33 59,4	15,595	324
18823	Leo	7	24 7,29	3,272	76 27 40,9	15,596	217
18824	Leo Minor....	8	24 9,51	3,656	55 5 46,7	15,598	323
18825	Leo	8½	24 13,02	3,293	75 7 25,3	15,601	52
18826	Hydra	8	24 17,16	3,027	92 53 28,6	15,605	276
18827	Hydra	9	24 20,82	3,160	83 52 0,7	15,608	327
18828	Leo Minor....	7½	24 25,13	3,693	53 24 57,1	15,612	56
18829	Leo	9	24 25,21	3,270	76 33 7,0	15,612	217
18830	Leo Minor....	7½	24 25,63	3,693	53 24 59,3	15,613	221
18831	Leo Minor....	7	24 26,43	3,693	53 25 3,2	15,614	323
18832	Hydra	7	24 27,53	3,031	92 36 21,9	15,615	276
18833	Hydra	6	24 29,81	2,731	111 59 12,0	15,617	286
18834	Leo	9	24 33,56	3,295	74 58 48,2	15,620	52
18835	Hydra	8½	24 33,67	3,092	88 27 38,7	15,620	275
18836	Hydra	6	24 33,89	2,996	95 1 43,4	15,620	266
18837	Hydra	8	24 37,65	3,142	85 4 34,5	15,624	327
18838	Leo	8	24 38,83	3,444	65 55 2,6	15,625	215
18839	Leo Minor....	9½	24 40,85	3,741	51 18 54,9	15,626	58
18840	Leo Minor....	7½	9 24 41,83	+3,690	53 30 37,2	+15,628	56

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18841	Leo Minor....	7	9 24 42.47	+3,690	53 30 44.5	+15,628	221
18842	Leo Minor....	7	24 42.63	3,690	53 30 41.3	15,628	323
18843	Leo	7½	24 46.85	3,390	69 4 7.6	15,632	212
18844	Leo Minor....	9	24 48.21	3,962	43 12 15.2	15,633	352
18845*	Leo	5	24 49.39	3,594	57 56 55.3	15,634	319
18846	Leo	5½	24 49.97	3,594	57 57 1.1	15,635	221
18847	Ursa Major ..	7	24 52.87	5,388	19 51 54.5	15,638	366
18848	Leo	6½	24 55.43	3,298	74 44 4.0	15,640	52
18849	Leo	6½	24 56.11	3,298	74 44 4.4	15,640	222
18850	Hydra	7½	24 58.66	3,140	85 12 21.9	15,643	327
18851	Leo Minor....	9	24 58.90	3,743	51 11 59.9	15,643	58
18852	Hydra	7½	25 1.12	3,011	94 0 11.3	15,645	321
18853	Hydra	8½	25 3.77	2,800	107 52 2.9	15,648	282
18854	Hydra	7½	25 6.84	3,004	94 28 50.5	15,650	321
18855	Leo	7½	25 7.55	3,527	61 21 11.0	15,651	147
18856	Leo	9	25 7.98	3,526	61 21 20.3	15,651	53
18857	Hydra	6	25 9.69	2,903	101 14 6.7	15,653	326
18858	Hydra	6½	25 9.74	2,903	101 14 9.4	15,653	328
18859	Hydra	9	25 10.04	3,035	92 23 12.6	15,653	276
18860	Hydra	9½	25 14.87	2,979	96 12 11.1	15,658	266
18861	Leo	9	25 15.33	3,371	70 11 4.0	15,658	219
18862	Hydra	7½	25 18.04	3,121	86 28 39.0	15,661	324
18863	Leo	9	25 18.54	3,271	76 25 27.1	15,661	217
18864	Hydra	9	25 27.58	2,763	110 12 30.7	15,669	284
18865	Leo	7½	25 32.42	3,440	66 4 50.0	15,674	215
18866	Hydra	8	25 32.99	3,085	88 54 44.8	15,674	275
18867	Leo	7	25 33.46	3,588	58 9 10.6	15,675	319
18868	Leo	9	25 34.29	3,588	58 9 13.4	15,676	221
18869	Leo	9	25 35.42	3,239	78 32 44.0	15,677	218
18870	Hydra	7	25 35.95	3,149	84 35 51.9	15,677	327
18871	Leo	7½	25 42.82	3,243	78 15 58.7	15,683	218
18872	Hydra	8	25 46.13	2,957	97 42 5.8	15,686	329
18873	Lynx	6	25 50.11	3,797	48 52 12.1	15,690	215
18874	Hydra	9	25 55.34	3,004	94 29 37.7	15,695	321
18875	Leo	8	25 58.67	3,187	81 59 15.4	15,697	225
18876	Leo	8	25 59.02	3,187	81 59 12.9	15,698	273
18877	Leo	6	25 59.36	3,329	72 40 25.2	15,698	279
18878	Ursa Major ..	8	26 3.06	5,533	18 40 4.7	15,701	366
18879	Hydra	7½	26 3.75	2,907	101 3 37.8	15,702	328
18880	Hydra	7½	9 26 3.81	+2,907	101 3 33.2	+15,702	326

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18881	Hydra	9	9	26	3,85	+3,004	94	31	22,8	+15,702	321
18882	Hydra	9		26	4,23	2,788	108	40	15,2	15,703	282
18883	Leo	8		26	5,11	3,326	72	53	0,5	15,703	279
18884	Hydra	6		26	15,73	2,788	108	41	40,3	15,713	282
18885	Hydra	7		26	17,26	2,736	111	47	56,6	15,715	286
18886	Leo	8		26	19,42	3,310	73	51	32,3	15,716	222
18887	Hydra	6½		26	19,64	3,042	91	53	19,7	15,717	276
18888	Leo	6½		26	21,83	3,467	64	26	22,9	15,718	148
18889	Leo Minor....	6½		26	24,47	3,873	45	57	37,0	15,721	55
18890	Hydra	9		26	25,70	3,127	86	1	45,3	15,722	324
18891	Leo Minor....	8		26	36,49	3,867	46	8	11,3	15,732	55
18892	Hydra	9		26	37,94	2,883	102	40	26,2	15,733	328
18893	Leo	5		26	38,38	3,182	82	16	30,5	15,734	273
18894	Leo	5		26	38,44	3,182	82	16	30,1	15,734	225
18895	Leo	9		26	38,88	3,313	73	39	4,5	15,734	222
18896	Leo	8		26	44,53	3,581	58	20	49,8	15,739	319
18897	Leo	8½		26	45,88	3,581	58	20	43,8	15,740	221
18898	Leo	8		26	46,56	3,527	61	6	6,7	15,741	53
18899	Hydra	7		26	47,39	2,918	100	23	10,8	15,742	326
18900	Leo	8		26	48,01	3,446	65	33	32,8	15,742	149
18901	Ursa Major ..	8½		26	48,46	4,221	35	44	26,4	15,743	382
18902	Leo	8½		26	49,86	3,478	63	44	32,4	15,744	148
18903	Leo	9		26	53,69	3,257	77	13	30,5	15,748	218
18904	Hydra	9		26	54,37	2,980	96	8	35,1	15,748	266
18905	Ursa Major ..	8½		26	56,28	5,500	18	48	58,8	15,750	366
18906	Leo Minor....	9		26	57,41	3,859	46	22	46,7	15,751	55
18907	Hydra	9		26	59,60	2,824	106	29	43,3	15,753	281
18908	Leo	7½		26	59,61	3,568	58	57	19,4	15,753	319
18909	Leo	8		27	1,09	3,568	58	57	18,4	15,754	221
18910	Leo	8		27	5,24	3,295	74	45	22,8	15,758	52
18911	Hydra	8		27	5,30	3,110	87	13	52,5	15,758	324
18912	Hydra	8½		27	8,47	2,920	100	14	7,3	15,761	326
18913	Hydra	7½		27	10,20	2,759	110	34	28,8	15,762	284
18914	Leo	8½		27	12,15	3,437	66	3	9,5	15,764	149
18915	Leo	9		27	12,42	3,437	66	3	6,3	15,764	215
18916	Ursa Major ..	9		27	18,00	4,187	36	28	49,4	15,769	382
18917	Leo Minor....	7		27	19,36	3,673	53	51	44,2	15,771	221
18918	Leo Minor....	6		27	19,91	3,673	53	51	43,8	15,771	323
18919	Hydra	7		27	21,38	3,107	87	24	52,1	15,773	275
18920	Hydra	6½	9	27	21,41	+3,107	87	24	50,9	+15,773	324

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18921	Leo	7	9 27 24.33	+3,270	76 22 18.5	+15,775	217
18922	Hydra	9	27 29.27	2,881	102 52 43.1	15,780	328
18923	Hydra	8	27 31.64	2,882	102 46 56.7	15,782	328
18924	Hydra	6	27 39.21	3,037	92 16 38.8	15,788	276
18925	Leo	6½	27 39.94	3,390	68 48 24.9	15,789	212
18926	Hydra	8½	27 40.11	3,078	89 25 37.4	15,789	51
18927	Leo	7	27 40.81	3,477	63 44 22.7	15,790	148
18928	Hydra	8	27 44.01	3,008	94 16 17.3	15,793	321
18929	Hydra	8	27 45.36	2,865	103 57 34.2	15,794	278
18930	Leo	7	27 45.96	3,194	81 23 48.7	15,794	324
18931	Leo Minor....	7	27 48.92	3,652	54 46 6.1	15,797	221
18932	Leo Minor....	6	27 50.03	3,674	53 46 10.7	15,798	323
18933	Hydra	9	27 53.24	2,994	95 16 10.8	15,801	266
18934	Hydra	8	27 54.49	2,761	110 30 36.6	15,802	284
18935	Leo	9½	27 54.57	3,392	68 38 34.8	15,802	212
18936	Leo	9	27 55.89	3,176	82 39 42.4	15,803	273
18937	Hydra	7½	27 58.36	3,109	87 16 4.7	15,806	324
18938	Hydra	8	27 58.63	3,109	87 16 10.0	15,806	275
18939	Hydra	9	27 59.70	2,809	107 32 44.5	15,807	282
18940	Sextans	5	28 0.20	3,150	84 27 15.9	15,807	327
18941	Leo	7	28 1.06	3,255	77 19 27.9	15,808	218
18942	Leo	•	28 2.90	3,343	71 38 11.4	15,810	279
18943	Hydra	6	28 3.10	2,946	98 31 53.6	15,810	329
18944	Leo Minor....	9	28 4.62	3,889	45 6 38.7	15,812	352
18945	Leo	9	28 7.08	3,295	74 40 58.0	15,814	222
18946	Hydra	9½	28 10.02	2,831	106 10 39.8	15,816	281
18947	Hydra	8	28 11.40	2,852	104 48 18.2	15,817	278
18948	Leo	7½	28 13.76	3,194	81 23 49.0	15,819	225
18949	Leo	9	28 14.41	3,420	66 56 13.5	15,820	149
18950	Leo	9	28 15.50	3,420	66 56 4.9	15,821	215
18951	Hydra	8	28 23.44	3,040	92 2 12.3	15,828	276
18952	Leo	7½	28 24.63	3,278	75 47 34.0	15,829	217
18953	Leo Minor....	8	28 28.75	3,848	46 31 10.6	15,833	55
18954	Leo	8½	28 28.80	3,205	80 37 48.7	15,833	324
18955	Hydra	7	28 39.36	2,801	108 6 57.2	15,842	282
18956	Hydra	9	28 43.53	2,837	105 49 19.0	15,846	281
18957	Leo Minor....	8	28 46.69	3,621	56 5 39.9	15,849	209
18958	Hydra	9½	28 52.36	2,852	104 52 23.7	15,854	278
18959	Hydra	7½	28 53.10	2,999	93 6 57.2	15,855	321
18960	Hydra	9	9 28 53.40	+2,883	102 51 12.2	+15,855	328

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18961	Leo	9	9 28 53.61	+3,176	82 37 13.0	+15,855	225
18962	Hydra	8	28 55.83	3,044	91 46 22.8	15,857	276
18963	Hydra	6½	28 55.89	3,042	91 56 36.2	15,857	276
18964	Lynx	7½	28 55.93	3,754	50 8 8.9	15,857	225
18965	Hydra	8	28 56.32	2,802	108 5 19.2	15,858	282
18966	Lynx	7	28 56.75	3,753	50 8 34.4	15,858	58
18967	Hydra	9½	28 56.86	2,854	104 44 8.0	15,858	279
18968	Hydra	7½	28 57.91	2,912	100 54 4.9	15,859	326
18969	Leo Minor	7	29 1.02	3,875	45 27 43.9	15,862	55
18970	Leo	8	29 1.32	3,485	63 5 43.5	15,862	148
18971	Ursa Major ..	7½	29 10.88	4,249	34 43 59.4	15,871	382
18972	Hydra	8	29 14.06	3,020	93 28 48.3	15,873	321
18973	Sextans	8	29 14.09	3,144	84 49 8.6	15,873	327
18974	Sextans	7	29 15.09	3,128	85 54 25.3	15,874	324
18975	Leo Minor	8	29 31.79	3,711	51 49 50.5	15,889	56
18976	Leo	7	29 32.07	3,201	80 49 25.0	15,890	324
18977	Lynx	6½	29 33.85	3,771	49 20 17.8	15,891	58
18978	Lynx	6	29 33.87	3,771	49 20 17.2	15,891	215
18979	Hydra	8	29 34.13	3,022	93 18 51.9	15,891	321
18980	Lynx	6	29 34.15	3,771	49 20 20.4	15,891	225
18981	Hydra	8½	29 34.71	2,809	107 43 41.5	15,892	281
18982	Leo Minor	9	29 34.91	3,800	48 9 54.3	15,892	215
18983	Leo Minor	9½	29 35.05	3,619	56 2 16.9	15,892	209
18984	Hydra	3½	29 38.23	3,066	90 14 30.0	15,895	51
18985	Hydra	4	29 38.36	3,066	90 14 35.3	15,895	227
18986	Leo	7	29 42.23	3,272	76 2 25.6	15,899	217
18987	Leo	5	29 43.46	3,583	57 49 15.4	15,900	319
18988	Leo	6	29 44.33	3,583	57 49 14.0	15,901	221
18989	Sextans	9	29 52.83	3,145	84 44 37.5	15,908	327
18990	Leo	9	29 56.80	3,518	61 8 31.7	15,911	53
18991	Hydra	8½	29 56.84	3,068	90 8 13.0	15,911	227
18992	Leo Minor	8	29 56.88	3,800	48 7 20.3	15,911	215
18993	Hydra	8	29 56.95	3,068	90 8 11.8	15,912	51
18994	Hydra	8	29 57.48	2,814	107 24 49.9	15,912	281
18995	Leo	9½	29 59.01	3,347	71 9 38.6	15,913	221
18996	Hydra	8	30 0.21	2,928	99 52 11.2	15,915	326
18997	Hydra	8½	30 0.87	2,851	105 3 48.8	15,915	279
18998	Hydra	6	30 1.30	2,931	99 40 17.5	15,916	326
18999	Leo	6	30 5.98	3,481	63 11 3.8	15,920	148
19000	Leo	6½	9 30 6.87	+3,481	63 11 4.8	+15,920	147

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19001	Hydra	8½	9 30 20,96	+3,067	90 12 46,1	+15,933	51
19002	Hydra	8½	30 20,96	2,819	107 10 6,6	15,933	281
19003	Hydra	9	30 21,86	3,067	90 12 49,3	15,934	227
19004	Leo Minor....	8	30 24,86	3,658	54 5 10,2	15,936	323
19005	Leo	9½	30 24,99	3,346	71 12 40,6	15,936	221
19006	Leo	6	30 25,45	3,531	60 24 16,1	15,937	53
19007	Leo..... 0	3½	30 27,66	3,224	79 12 16,4	15,939	280
19008	Leo..... 0	3½	30 27,76	3,224	79 12 17,7	15,939	217
19009	Leo..... 0	3½	30 27,78	3,224	79 12 16,7	15,939	324
19010	Leo..... 0	3½	30 27,94	3,224	79 12 16,0	15,939	218
19011	Leo..... 0	3½	30 28,19	3,224	79 12 17,1	15,939	273
19012	Hydra	8½	30 28,24	2,796	108 39 15,8	15,939	282
19013	Sextans	8½	30 33,74	3,136	85 18 22,3	15,944	324
19014	Hydra	6½	30 34,15	2,929	99 48 59,2	15,945	326
19015	Leo Minor....	7½	30 36,37	3,615	56 6 6,2	15,947	209
19016	Leo Minor....	6	30 36,44	3,659	54 0 4,1	15,947	323
19017	Leo	9	30 36,77	3,312	73 20 32,0	15,947	52
19018	Ursa Major ..	9½	30 38,50	5,227	20 36 18,8	15,949	366
19019	Leo	•	30 38,98	3,435	65 46 5,1	15,949	149
19020	Hydra x	4	30 43,09	2,876	103 25 54,7	15,953	328
19021	Hydra x	6	30 43,52	2,876	103 25 52,3	15,953	279
19022	Leo Minor....	8	30 43,85	3,843	46 21 28,1	15,953	55
19023	Hydra	8	30 44,58	2,985	95 59 11,4	15,954	266
19024	Leo	8	30 46,43	3,312	73 20 30,0	15,956	222
19025	Leo	9	30 47,33	3,405	67 31 28,1	15,956	212
19026	Leo	7½	30 50,14	3,473	63 30 23,3	15,959	148
19027	Leo Minor....	7½	30 50,21	3,703	51 58 3,0	15,959	56
19028	Sextans	8	30 51,71	3,149	84 23 42,1	15,960	327
19029	Leo Minor....	9	30 52,43	3,897	44 23 37,4	15,961	352
19030*	Ursa Major ..	9	30 57,16	4,172	36 18 5,9	15,965	382
19031	Leo	6	30 58,01	3,556	58 58 59,7	15,966	319
19032	Leo	7	30 59,09	3,556	58 59 3,2	15,967	221
19033	Leo Minor....	8	31 0,17	3,599	56 49 44,0	15,968	209
19034	Hydra	4½	31 9,63	2,732	112 41 15,6	15,976	286
19035	Hydra	8½	31 13,85	2,813	107 34 59,3	15,980	282
19036	Leo	8	31 15,76	3,333	71 55 52,6	15,981	332
19037	Leo	8	31 19,00	3,278	75 33 57,2	15,984	217
19038	Hydra	8½	31 20,53	2,895	102 11 35,8	15,986	328
19039	Leo	9½	31 21,36	3,296	74 19 51,2	15,986	222
19040	Leo	8	9 31 24,99	+3,438	65 29 34,1	+15,989	149

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			h m s	s	° ' "	"	
19041	Hydra	8	9 31 25,62	+2,765	110 40 50,4	+15,990	284
19042	Leo	8½	31 29,64	3,178	82 21 50,2	15,994	225
19043	Leo Minor....	7	31 29,92	3,821	47 2 18,9	15,994	55
19044	Leo Minor....	7½	31 31,08	3,821	47 2 17,6	15,995	215
19045	Sextans	8½	31 31,96	3,152	84 7 14,7	15,996	327
19046	Leo	9	31 38,70	3,500	61 53 43,1	16,001	147
19047	Sextans	8½	31 41,28	3,111	87 1 55,7	16,004	324
19048	Leo Minor....	6½	31 41,42	3,634	54 59 45,1	16,004	323
19049	Hydra	8	31 41,53	2,933	99 35 56,5	16,004	326
19050	Hydra	8	31 45,94	2,831	106 28 48,2	16,008	281
19051	Leo..... <i>f</i>	5	31 47,72	3,552	59 6 49,9	16,010	319
19052	Leo..... <i>f</i>	6	31 48,49	3,552	59 6 53,4	16,010	221
19053	Leo..... <i>f</i>	6	31 48,73	3,552	59 6 54,4	16,011	53
19054	Leo Minor....	9	31 54,36	3,787	48 18 28,8	16,015	215
19055	Leo Minor....	8½	31 55,11	3,616	55 51 36,2	16,016	209
19056	Sextans	7½	31 55,32	3,115	86 46 55,2	16,016	324
19057	Leo	8½	31 56,07	3,440	65 18 35,0	16,017	149
19058	Leo	8½	31 56,08	3,454	64 29 9,6	16,017	148
19059	Leo Minor....	9	31 57,92	3,730	50 37 52,6	16,018	58
19060	Leo	9	31 58,07	3,454	64 30 19,6	16,018	148
19061	Hydra	8	31 59,23	3,026	93 5 40,4	16,020	276
19062	Hydra	7	32 3,62	2,903	101 42 38,0	16,023	328
19063	Leo	9	32 6,00	3,341	71 19 28,6	16,025	280
19064	Hydra	7½	32 7,05	2,815	107 34 56,4	16,027	283
19065	Hydra	6½	32 7,97	3,078	89 22 34,7	16,027	275
19066	Hydra	7½	32 8,86	3,078	89 22 31,8	16,028	51
19067	Leo	6½	32 9,11	3,380	68 53 57,9	16,028	212
19068	Leo Minor....	7½	32 11,55	3,646	54 22 16,6	16,030	323
19069	Hydra	9	32 19,23	3,025	93 11 7,7	16,037	276
19070	Leo Minor....	9	32 19,36	3,849	45 51 26,2	16,037	55
19071	Leo	8½	32 20,99	3,207	80 17 1,5	16,039	324
19072	Sextans	9	32 23,46	3,153	84 4 5,9	16,041	327
19073	Leo	8½	32 25,36	3,132	78 35 30,5	16,042	218
19074	Hydra	8	32 26,91	2,800	108 32 17,6	16,044	283
19075	Hydra	9	32 29,20	2,899	102 0 52,3	16,046	328
19076	Hydra	9	32 31,54	2,897	102 9 17,8	16,048	328
19077	Leo	9	32 37,22	3,410	67 1 29,7	16,053	149
19078	Leo Minor....	9	32 40,67	3,649	54 7 13,4	16,056	221
19079	Leo Minor....	8½	32 41,33	3,649	54 7 13,3	16,057	323
19080	Leo	8	9 32 42,39	+3,275	75 38 44,6	+16,057	217

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19081	Leo ψ	6	9 32 49.24	+3,283	75 4 11.0	+16,063	217
19082	Leo ψ	6	32 49.43	3,283	75 4 11.4	16,064	222
19083	Leo ψ	6½	32 49.55	3,283	75 4 13.1	16,064	52
19084	Leo	7½	32 50.06	3,232	78 34 0.6	16,064	218
19085	Hydra	8½	32 52.46	2,929	99 58 24.9	16,066	326
19086	Leo	9	32 55.84	3,339	71 24 59.8	16,069	280
19087	Leo	8½	32 56.34	3,170	82 52 57.2	16,069	225
19088	Hydra	8	33 0.30	2,733	112 48 6.9	16,073	286
19089	Sextans	6½	33 3.76	3,119	86 27 52.7	16,076	324
19090	Leo	8	33 5.46	3,194	81 8 7.8	16,078	324
19091	Leo	8	33 12.25	3,524	60 22 49.0	16,084	53
19092	Hydra	8	33 12.63	2,775	110 13 35.4	16,084	284
19093	Hydra	5	33 13.09	2,730	113 1 22.6	16,084	286
19094	Ursa Major ..	9	33 14.50	5,407	18 52 19.8	16,085	366
19095	Leo	9	33 17.90	3,234	78 21 18.4	16,088	218
19096	Leo	7	33 21.24	3,357	70 13 19.1	16,091	221
19097	Leo	7	33 21.70	3,357	70 13 23.6	16,092	219
19098	Leo	9	33 26.36	3,359	70 5 8.0	16,096	221
19099	Leo	9	33 27.02	3,359	70 5 9.5	16,096	219
19100	Hydra	8	33 27.36	2,886	102 59 31.3	16,097	328
19101	Leo Minor....	9	33 31.64	3,637	54 34 32.0	16,101	221
19102	Leo	•	33 33.66	3,505	61 20 42.0	16,102	53
19103	Leo	8	33 33.93	3,505	61 20 42.1	16,102	147
19104	Leo Minor....	7½	33 40.53	3,756	49 15 2.1	16,108	58
19105	Leo Minor....	8	33 40.91	3,756	49 15 6.1	16,108	225
19106	Leo Minor....	7½	33 41.34	3,756	49 15 3.8	16,109	215
19107	Leo Minor....	9	33 43.43	3,757	49 12 58.1	16,111	225
19108	Leo Minor....	9	33 44.62	3,757	49 13 3.8	16,112	215
19109	Leo Minor....	9	33 45.04	3,757	49 12 57.0	16,112	58
19110	Sextans	8½	33 49.25	3,130	85 38 38.2	16,116	324
19111	Ursa Major ..	9	33 50.59	5,426	18 40 7.4	16,117	366
19112	Hydra	8	33 51.12	2,889	102 47 8.4	16,117	328
19113	Sextans	9	33 52.18	3,151	84 9 36.0	16,118	327
19114	Leo	6½	33 52.29	3,432	65 30 42.7	16,118	149
19115	Hydra	8½	34 9.35	2,868	104 15 45.8	16,133	279
19116	Hydra	8½	34 10.79	2,834	106 31 16.8	16,134	281
19117	Sextans	7	34 13.65	3,129	85 44 13.4	16,137	324
19118	Leo	9	34 15.10	3,234	78 17 6.5	16,138	218
19119	Leo Minor....	9	34 18.49	3,753	49 18 8.3	16,141	58
19120	Leo Minor....	9½	9 34 19.09	+3,753	49 18 4.0	+16,141	216

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19121	Leo	8	9 34 19,61	+3,491	62 2 20,9	+16,142	147
19122	Leo Minor....	9	34 27,12	3,817	46 41 59,5	16,149	55
19123*	Leo	3	34 27,31	3,433	65 18 49,2	16,149	280
19124	Leo.....	3	34 27,44	3,434	65 18 42,4	16,149	212
19125	Hydra	7½	34 28,02	3,018	93 44 43,5	16,149	321
19126	Leo.....	3	34 28,11	3,434	65 18 44,0	16,149	215
19127	Leo.....	3	34 28,15	3,434	65 18 43,7	16,149	149
19128	Hydra	8	34 28,68	2,777	110 14 45,8	16,150	284
19129	Leo.....	3	34 28,81	3,434	65 18 42,9	16,150	148
19130	Hydra	9	34 29,12	2,889	102 48 50,7	16,150	328
19131	Hydra	8½	34 30,58	2,885	103 7 26,9	16,152	328
19132	Sextans	8	34 32,25	3,129	85 42 58,4	16,153	324
19133	Leo	8	34 35,20	3,204	80 21 30,7	16,156	324
19134	Leo	7	34 37,80	3,207	80 12 16,5	16,158	324
19135	Hydra	8½	34 43,41	2,803	108 37 3,8	16,163	283
19136	Leo	7½	34 44,15	3,352	70 24 6,1	16,163	219
19137	Leo	7	34 44,15	3,352	70 24 4,6	16,163	221
19138	Leo	7	34 44,90	3,226	78 51 51,4	16,164	218
19139	Ursa Major ..	8	34 47,57	4,208	34 48 59,9	16,166	382
19140	Hydra	7½	34 55,99	2,989	95 47 27,8	16,173	152
19141	Leo	8½	34 56,05	3,339	71 11 47,0	16,173	219
19142	Leo	9	34 56,45	3,339	71 11 42,5	16,174	221
19143	Leo	8½	34 56,81	3,339	71 11 44,2	16,174	332
19144	Sextans	7½	34 57,07	3,076	89 33 5,9	16,174	227
19145	Hydra	8½	35 0,50	2,919	100 45 9,0	16,178	326
19146	Ursa Major ..	9	35 8,17	4,192	35 8 22,5	16,184	382
19147	Leo	8½	35 11,58	3,487	62 9 34,2	16,187	147
19148	Sextans	8	35 18,74	3,131	85 32 16,2	16,193	324
19149	Hydra	9	35 19,86	2,854	105 17 14,8	16,194	279
19150	Hydra	7	35 24,49	2,832	106 47 35,6	16,198	281
19151	Leo Minor....	9	35 25,36	3,760	48 49 28,8	16,199	216
19152	Hydra	7	35 25,72	2,754	111 50 25,7	16,199	286
19153	Hydra	7½	35 28,31	2,744	112 26 54,3	16,201	286
19154	Hydra	8	35 29,39	2,740	112 39 38,1	16,202	286
19155	Leo Minor....	8½	35 32,16	3,814	46 39 5,8	16,205	55
19156	Hydra	6½	35 32,53	2,965	97 33 59,4	16,205	329
19157	Leo	6	35 35,87	3,248	77 16 30,4	16,208	217
19158	Leo	6	35 35,99	3,248	77 16 32,4	16,208	218
19159	Leo Minor....	6	35 37,35	3,913	43 3 17,9	16,209	353
19160	Sextans	8	9 35 37,51	+3,056	90 59 38,1	+16,209	227

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19161	Sextans	8½	9 35 40.25	+3,130	85 38 35.4	+16,212	324
19162	Leo	9	35 42.59	3,341	70 57 52.8	16,214	219
19163	Leo	9	35 43.11	3,341	70 57 51.4	16,214	221
19164	Hydra	7½	35 46.87	2,742	112 34 13.3	16,217	286
19165	Leo	8½	35 50.05	3,489	61 55 32.1	16,220	147
19166	Hydra	8	35 50.97	3,040	92 11 33.9	16,221	276
19167	Hydra	7½	35 55.07	3,047	91 40 42.6	16,223	276
19168	Leo Minor....	8½	35 55.20	3,764	48 33 21.7	16,224	216
19169	Hydra	7½	35 55.78	2,925	100 26 13.0	16,225	326
19170	Hydra	8	35 58.78	2,787	109 45 32.4	16,228	284
19171	Leo	8½	35 59.06	3,533	59 29 25.9	16,228	53
19172	Leo	7	35 59.45	3,429	65 26 1.2	16,228	149
19173	Leo	6½	36 0.36	3,429	65 26 5.4	16,229	148
19174	Hydra	8	36 1.24	2,791	109 30 37.6	16,230	284
19175	Sextans	6	36 3.83	3,107	87 17 46.5	16,232	324
19176	Sextans	6	36 4.02	3,107	87 17 48.2	16,232	275
19177	Ursa Major ..	8	36 9.76	4,143	36 11 11.0	16,237	382
19178	Leo	9	36 10.69	3,301	73 33 15.1	16,238	52
19179	Leo	8	36 13.62	3,513	60 33 29.0	16,240	53
19180	Sextans	8	36 13.83	3,106	87 21 53.6	16,241	324
19181	Hydra	8½	36 13.95	2,999	95 9 35.6	16,241	321
19182	Sextans	8	36 14.32	3,106	87 21 53.5	16,241	275
19183	Hydra	8½	36 17.95	2,805	108 39 56.9	16,244	283
19184	Leo Minor....	9½	36 18.16	3,580	56 57 52.0	16,244	209
19185	Hydra	9½	36 20.38	2,803	108 47 14.8	16,246	283
19186	Sextans	9	36 25.20	3,074	89 41 39.6	16,250	227
19187	Leo	7½	36 27.36	3,180	81 59 26.7	16,252	226
19188	Leo	8	36 29.20	3,379	68 28 34.2	16,254	212
19189	Leo Minor....	9	36 35.77	3,774	48 1 13.3	16,259	216
19190	Sextans	7	36 35.99	3,038	92 17 52.3	16,259	276
19191	Leo	6½	36 39.07	3,201	80 30 33.2	16,262	324
19192	Hydra	7½	36 39.17	2,879	103 40 24.4	16,262	279
19193	Leo	6½	36 39.75	3,243	77 30 46.9	16,263	218
19194	Leo	7	36 39.88	3,243	77 30 47.9	16,263	217
19195	Sextans	8	36 43.70	3,011	94 18 15.3	16,266	321
19196	Hydra	7½	36 45.48	2,803	108 48 44.1	16,268	283
19197	Leo	9	36 46.52	3,241	77 39 0.1	16,268	218
19198	Sextans	7½	36 49.63	3,036	92 27 2.7	16,271	276
19199	Sextans	8	36 50.29	3,074	89 41 40.3	16,272	227
19200	Leo	7½	9 36 58.23	+3,226	78 41 41.7	+16,278	218

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19201	Leo	7½	9 36 58.33	+3,270	75 36 7.9	+16,278	222
19202	Sextans	8	36 59.53	3,110	86 45 58.6	16,280	325
19203	Hydra	9	37 1.48	2,918	100 59 14.1	16,281	326
19204	Hydra	7½	37 3.47	2,918	101 1 10.2	16,283	326
19205	Leo	7½	37 3.69	3,221	79 0 17.1	16,283	218
19206	Leo	7	37 3.94	3,221	79 0 18.9	16,283	324
19207	Leo	8½	37 4.08	3,176	82 15 40.2	16,283	226
19208	Leo Minor....	7	37 4.65	3,617	54 59 22.0	16,284	221
19209	Hydra	7	37 5.04	2,758	111 44 5.9	16,284	286
19210	Leo Minor....	6½	37 5.34	3,617	54 59 26.3	16,284	323
19211	Sextans	8½	37 6.40	3,003	94 54 40.0	16,285	321
19212	Sextans	8½	37 7.62	3,158	83 31 19.2	16,286	327
19213	Sextans	8½	37 9.27	3,068	90 5 32.6	16,288	227
19214*	Sextans	7½	37 16.35	3,002	94 58 53.2	16,294	321
19215	Hydra	7	37 18.05	2,938	99 36 15.1	16,295	326
19216	Leo	8	37 18.34	3,441	64 31 55.9	16,295	148
19217	Hydra	6½	37 23.17	2,935	99 49 30.9	16,299	326
19218	Leo Minor....	9½	37 24.05	3,783	47 31 18.0	16,300	216
19219	Leo	9½	37 26.38	3,357	69 45 44.4	16,302	221
19220	Hydra	9	37 27.35	2,888	103 7 2.1	16,303	328
19221	Leo	8	37 34.42	3,409	66 27 55.6	16,309	149
19222	Sextans	9	37 42.07	3,150	84 7 14.3	16,316	327
19223	Hydra	7	37 45.23	2,842	106 17 11.3	16,318	281
19224	Leo	8½	37 47.94	3,438	64 37 59.2	16,320	148
19225	Hydra	8	37 53.04	2,775	110 46 55.4	16,325	284
19226	Leo Minor....	6½	37 53.32	3,735	49 26 47.1	16,325	225
19227	Leo Minor....	6½	37 53.88	3,735	49 26 42.5	16,326	58
19228	Sextans	8	37 58.04	2,966	97 34 21.6	16,329	329
19229	Leo	8	37 58.75	3,274	75 17 26.8	16,330	222
19230	Leo	6½	37 59.28	3,555	57 59 51.1	16,330	319
19231	Leo	7½	38 0.97	3,337	71 1 13.1	16,332	280
19232	Leo	8	38 1.65	3,337	71 1 10.4	16,332	219
19233	Leo Minor....	8	38 4.41	3,604	55 28 25.6	16,335	221
19234	Leo Minor....	8	38 5.26	3,604	55 28 22.9	16,335	209
19235	Hydra	9	38 5.73	2,909	101 39 36.4	16,336	328
19236	Leo	8½	38 6.44	3,437	64 40 28.2	16,336	148
19237	Hydra	6½	38 9.42	2,971	97 14 46.6	16,339	330
19238	Leo	9	38 10.30	3,346	70 24 46.3	16,340	221
19239	Leo	8	38 12.03	3,285	74 28 13.0	16,341	52
19240	Leo	8	9 38 12.40	+3,288	74 18 17.6	+16,342	222

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19241	Sextans	6	9 38 16.11	+2,984	96 19 24.3	+16,344	152
19242	Leo	8	38 17.21	3,290	74 7 8.5	16,345	52
19243	Hydra	9½	38 18.23	2,910	101 39 23.3	16,346	328
19244	Leo Minor....	6½	38 18.57	3,649	53 12 3.8	16,346	323
19245	Leo	9	38 19.43	3,343	70 32 59.0	16,347	219
19246	Leo	9	38 19.75	3,343	70 32 59.5	16,347	222
19247	Ursa Major ..	9	38 20.51	5,161	20 10 0.6	16,348	366
19248	Sextans	8	38 22.23	3,071	89 53 12.4	16,350	227
19249	Ursa Major .φ	5	38 23.80	4,176	35 0 33.7	16,351	382
19250	Leo	9	38 24.80	3,345	70 25 29.3	16,352	222
19251	Leo	9	38 25.64	3,345	70 25 26.8	16,352	219
19252	Sextans	9	38 35.86	3,045	91 47 25.4	16,361	276
19253	Leo	9	38 35.97	3,477	62 14 13.1	16,361	147
19254	Leo	6	38 37.03	3,384	67 53 43.9	16,362	212
19255	Sextans	7½	38 37.17	2,983	96 23 48.5	16,362	152
19256	Leo	6	38 37.28	3,384	67 53 43.1	16,362	149
19257	Hydra	9	38 40.02	2,818	107 59 50.3	16,365	283
19258	Leo	7	38 47.04	3,438	64 30 56.2	16,370	148
19259	Leo	8	38 50.80	3,317	72 14 5.5	16,374	332
19260	Leo	8	38 51.34	3,313	72 33 3.9	16,374	280
19261	Sextans	6	38 54.21	2,947	98 59 44.2	16,376	330
19262	Leo Minor....	8½	38 55.68	3,776	47 33 33.4	16,378	216
19263	Leo Minor....	7	38 58.02	3,558	57 40 58.8	16,380	319
19264	Leo	9	39 1.58	3,284	74 30 37.3	16,383	52
19265	Leo	9	39 1.84	3,284	74 30 39.9	16,383	222
19266	Sextans	8	39 2.23	3,016	93 57 7.5	16,383	321
19267	Leo	7½	39 8.12	3,234	77 57 53.1	16,388	218
19268	Sextans	9	39 15.50	3,137	84 58 38.7	16,395	327
19269	Hydra	8	39 21.37	2,762	111 45 18.5	16,399	286
19270	Sextans	9	39 21.74	3,016	93 57 44.6	16,400	321
19271	Hydra	7	39 22.90	2,814	108 23 10.9	16,401	283
19272	Sextans	6	39 25.15	2,963	97 54 38.8	16,403	330
19273	Leo Minor....	8	39 27.31	3,728	49 26 58.4	16,404	225
19274	Leo Minor....	8	39 27.95	3,728	49 26 56.9	16,405	58
19275	Hydra	7	39 33.31	2,773	111 5 42.5	16,409	286
19276	Leo	9½	39 40.03	3,376	68 16 21.7	16,415	212
19277	Sextans	8	39 42.80	3,106	87 16 41.8	16,417	325
19278	Hydra	8	39 43.92	2,809	108 43 15.0	16,418	283
19279	Hydra	9	39 44.58	2,782	110 30 51.7	16,419	284
19280	Leo	8½	9 39 45.09	+3,353	69 44 55.4	+16,419	219

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19281	Leo	8½	9 39 45.23	+3,353	69° 44' 48.9	+16,420	222
19282	Hydra	6½	39 48.98	2,922	100 51 31.9	16,423	326
19283	Leo Minor....	8	39 50.68	3,759	48 6 3.9	16,424	216
19284	Leo Minor....	•	39 52.20	3,821	45 36 11.2	16,425	55
19285	Leo Minor....	8½	39 54.07	3,556	57 38 4.9	16,427	319
19286	Sextans	7½	39 57.36	3,083	88 58 13.2	16,430	275
19287	Sextans	7½	39 57.42	3,079	89 18 4.5	16,430	227
19288	Sextans	7	39 57.47	3,079	89 18 10.9	16,430	275
19289	Leo	7	40 2.44	3,244	77 12 46.1	16,434	217
19290	Sextans	6	40 4.85	3,140	84 43 32.4	16,436	327
19291	Leo Minor....	7	40 10.29	3,687	51 9 16.7	16,440	225
19292	Sextans	8	40 10.32	3,107	87 14 37.8	16,440	325
19293	Leo	6½	40 11.30	3,261	76 0 17.6	16,441	217
19294	Leo Minor....	7	40 11.95	3,687	51 9 12.6	16,442	58
19295	Leo	8½	40 12.38	3,230	78 11 16.7	16,442	218
19296	Leo Minor....	8	40 13.68	3,743	48 41 38.5	16,443	216
19297	Leo	9	40 14.75	3,307	72 45 1.3	16,444	52
19298	Hydra	8½	40 15.20	2,909	101 52 21.4	16,445	328
19299	Leo	7	40 18.30	3,192	80 56 41.1	16,447	324
19300	Leo Minor....	8½	40 22.37	3,768	47 36 28.6	16,451	216
19301	Leo	9	40 26.26	3,191	80 59 27.2	16,454	324
19302	Leo Minor....	7½	40 29.03	3,635	53 32 41.4	16,456	221
19303	Leo	5½	40 30.16	3,432	64 39 49.8	16,457	148
19304	Leo	9	40 32.55	3,338	70 39 20.5	16,459	219
19305	Leo Minor....	9½	40 33.61	3,599	55 16 55.2	16,460	209
19306	Leo Minor....	9	40 34.53	3,626	53 56 59.7	16,461	221
19307	Leo Minor....	8	40 35.13	3,626	53 56 56.6	16,461	323
19308	Hydra	8½	40 35.17	2,916	101 21 5.3	16,461	328
19309	Leo	8	40 39.86	3,364	68 54 16.5	16,465	212
19310	Leo Minor....	7½	40 40.49	3,556	57 31 40.8	16,466	319
19311	Sextans	6½	40 44.20	2,983	96 27 3.2	16,469	152
19312	Sextans	9½	40 47.50	3,055	91 6 2.4	16,471	227
19313	Leo	8	40 55.09	3,487	61 17 27.9	16,478	147
19314	Leo	8½	40 55.24	3,487	61 17 37.1	16,478	53
19315	Ursa Major ..	8	40 58.04	5,100	20 34 48.7	16,480	366
19316	Hydra	9½	40 58.67	2,916	101 22 40.5	16,481	328
19317	Sextans	7	41 4.73	3,107	85 42 3.0	16,486	325
19318	Sextans	7½	41 7.26	3,057	90 55 14.1	16,488	227
19319	Sextans	6	41 9.02	3,026	93 18 42.4	16,489	276
19320	Sextans	5½	9 41 9.42	+3,026	93 18 43.1	+16,490	321

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19321	Hydra	8	9 41 9.48	+2,924	100 48 16.9	+16,490	326
19322	Leo μ	3½	41 21.52	3,456	63 3 27.7	16,500	147
19323	Leo μ	3½	41 21.61	3,456	63 3 28.6	16,500	148
19324	Hydra	9	41 22.13	2,791	110 9 0.3	16,500	284
19325	Hydra	8	41 24.70	2,795	109 50 22.9	16,503	284
19326	Hydra	7½	41 26.68	2,867	104 56 27.2	16,504	279
19327	Leo Minor....	8	41 28.34	3,599	55 7 56.2	16,505	209
19328	Sextans	9	41 29.34	2,968	97 38 1.1	16,506	330
19329	Leo	8	41 34.89	3,401	66 26 50.6	16,511	149
19330	Hydra	8	41 35.38	2,897	102 47 55.3	16,511	328
19331	Leo	8½	41 35.77	3,191	80 57 8.2	16,512	324
19332	Leo Minor....	7½	41 38.24	3,620	54 4 53.0	16,514	221
19333	Leo Minor....	6½	41 39.01	3,620	54 4 57.8	16,514	323
19334	Hydra	9½	41 39.78	2,892	103 11 58.0	16,515	328
19335	Sextans	8	41 41.26	3,119	86 14 45.1	16,516	325
19336	Hydra	7	41 43.02	2,827	107 43 44.1	16,517	283
19337	Hydra	8	41 43.14	2,791	110 8 13.2	16,518	284
19338	Hydra	6½	41 50.29	2,762	112 5 11.0	16,524	286
19339	Hydra μ^1	5	41 51.57	2,882	103 52 51.3	16,525	279
19340	Sextans	6	41 52.25	3,114	86 37 10.8	16,525	325
19341	Hydra	8	41 53.02	2,858	105 37 40.4	16,526	281
19342	Hydra	5½	41 54.21	2,930	100 24 24.5	16,527	326
19343	Sextans	6½	41 56.93	3,083	88 59 27.6	16,529	275
19344	Leo	7½	42 7.88	3,358	69 7 37.0	16,538	212
19345	Hydra	8	42 7.93	2,813	108 44 0.6	16,538	283
19346	Leo	8	42 8.28	3,358	69 7 35.6	16,538	222
19347	Leo Minor....	9	42 8.91	3,701	50 8 56.3	16,539	58
19348	Hydra	7½	42 10.05	2,893	103 8 52.8	16,540	328
19349	Leo	8	42 10.16	3,449	63 23 46.1	16,540	148
19350	Sextans	7½	42 13.20	2,951	98 54 55.2	16,542	330
19351	Hydra	9	42 16.42	2,816	108 31 31.3	16,545	283
19352	Leo Minor....	9	42 21.15	3,571	56 27 6.5	16,549	209
19353	Hydra	6½	42 27.15	2,859	105 35 52.3	16,554	281
19354	Leo	8	42 27.23	3,482	61 22 11.6	16,554	53
19355	Hydra	8	42 27.26	2,808	109 6 36.0	16,554	283
19356	Sextans	8	42 27.75	3,121	86 6 17.9	16,554	325
19357	Leo Minor....	9	42 30.09	3,705	49 56 30.2	16,556	58
19358	Leo Minor....	9	42 30.78	3,612	54 17 31.3	16,557	221
19359	Leo Minor....	9	42 30.97	3,612	54 17 30.0	16,557	323
19360	Sextans	7½	9 42 34.80	+2,960	98 17 51.3	+16,560	330

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19361	Sextans	5	9 42 36.17	+2,975	97 10 6.7	+16,562	152
19362	Leo	9	42 36.42	3,231	77 53 39.7	16,562	218
19363	Leo Minor....	8½	42 36.56	3,563	56 48 6.0	16,562	209
19364	Leo	8	42 38.00	3,343	70 7 17.8	16,563	222
19365	Leo	8	42 38.04	3,343	70 7 9.3	16,563	219
19366	Leo	8½	42 42.01	3,534	58 22 30.9	16,566	150
19367	Leo	8	42 42.12	3,534	58 22 18.7	16,566	319
19368	Ursa Major ..	8	42 42.46	4,078	36 47 29.4	16,566	382
19369	Sextans	8	42 43.65	3,142	84 31 54.3	16,568	327
19370	Leo Minor....	9½	42 49.04	3,706	49 48 47.2	16,572	58
19371	Leo	7½	42 54.51	3,281	74 19 41.5	16,576	222
19372	Leo	8½	43 2.14	3,539	58 3 35.7	16,583	150
19373	Ursa Major ..	9	43 3.66	3,852	43 52 50.8	16,584	352
19374	Hydra	9	43 9.00	2,862	105 26 55.6	16,588	281
19375	Sextans	8½	43 11.18	3,072	89 51 7.4	16,590	227
19376	Sextans	6	43 12.27	3,161	83 6 21.8	16,591	226
19377	Leo	8	43 16.24	3,218	78 48 22.0	16,594	218
19378	Hydra	9½	43 18.49	2,907	102 13 46.2	16,596	328
19379	Hydra	8	43 22.40	2,754	112 47 28.7	16,599	286
19380	Leo	8	43 26.84	3,174	82 6 50.3	16,603	226
19381	Leo	7	43 30.34	3,189	80 59 14.4	16,606	324
19382	Sextans	6½	43 31.53	2,951	98 58 4.4	16,607	330
19383	Sextans	9	43 35.61	3,147	84 6 46.8	16,610	327
19384	Sextans	7	43 36.76	3,031	92 55 32.9	16,611	276
19385	Sextans	6½	43 38.68	3,147	84 7 7.8	16,613	327
19386	Leo	7½	43 43.56	3,428	64 25 4.3	16,616	148
19387	Leo Minor....	8	43 49.23	3,676	50 58 45.3	16,622	225
19388	Hydra	9	43 49.91	2,872	104 48 36.3	16,622	279
19389	Sextans	7½	43 52.92	3,126	85 43 54.3	16,624	325
19390	Sextans	9	43 55.68	2,949	99 9 53.2	16,627	330
19391	Hydra	8	44 2.12	2,756	112 44 41.4	16,632	286
19392	Leo	9	44 5.01	3,175	81 58 33.2	16,634	226
19393	Hydra	7½	44 8.34	2,819	108 32 49.7	16,637	283
19394	Sextans	8	44 16.75	3,094	88 6 55.1	16,644	275
19395	Leo	8½	44 19.54	3,176	81 53 27.1	16,646	226
19396	Hydra	9	44 19.91	2,750	113 10 12.4	16,647	286
19397	Sextans	8	44 20.61	3,077	89 27 58.8	16,647	227
19398	Sextans	9	44 21.44	3,134	85 2 18.3	16,648	327
19399	Leo Minor....	9	44 23.95	3,617	53 43 43.2	16,649	221
19400	Sextans	8	9 44 24.00	+3,048	91 40 44.0	+16,649	276

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19401	Leo Minor....	8	9 44 25.15	+3,617	53 43 45.6	+16,651	323
19402	Leo Minor....	8½	44 25.87	3,558	56 47 59.3	16,651	210
19403	Sextans	8	44 27.89	3,024	93 29 49.9	16,653	321
19404	Leo	8	44 29.47	3,338	70 14 10.3	16,654	222
19405	Leo	8	44 29.61	3,338	70 14 12.7	16,654	219
19406	Leo	9	44 30.55	3,513	59 16 16.0	16,655	150
19407	Ursa Major ..	9½	44 31.37	3,865	43 9 4.3	16,656	353
19408	Leo	9	44 33.03	3,369	68 5 20.7	16,657	212
19409	Leo Minor....	9	44 36.88	3,693	50 4 49.9	16,660	58
19410	Leo	8	44 40.18	3,448	63 3 33.4	16,663	147
19411	Hydra	8	44 40.51	2,837	107 19 36.9	16,663	281
19412	Leo	8½	44 42.20	3,215	78 56 48.5	16,664	218
19413	Sextans	8½	44 43.35	3,010	94 36 13.9	16,665	321
19414	Hydra	9	44 44.68	2,912	101 59 8.3	16,666	328
19415	Sextans	10	44 45.14	2,980	96 52 4.5	16,667	152
19416	Leo Minor....	7	44 45.23	3,559	56 40 29.2	16,667	210
19417	Sextans	8	44 45.29	3,079	89 14 32.4	16,667	227
19418	Sextans	8½	44 45.43	3,079	89 14 36.5	16,667	275
19419	Hydra	7½	44 51.17	2,912	102 0 3.3	16,672	328
19420	Leo	8	44 58.61	3,188	80 57 23.4	16,678	324
19421	Leo Minor....	9	45 8.89	3,741	47 51 36.6	16,686	216
19422	Ursa Major ..	8½	45 10.94	5,072	20 19 58.1	16,688	366
19423	Hydra	6	45 15.50	2,777	111 32 54.9	16,691	286
19424	Ursa Major ..	7	45 15.58	3,847	43 38 24.5	16,692	352
19425	Leo Minor....	8½	45 20.12	3,568	56 5 16.7	16,695	210
19426	Leo	6	45 20.13	3,182	81 22 49.2	16,695	324
19427	Leo	7	45 20.23	3,182	81 22 52.5	16,695	226
19428	Sextans	8	45 21.76	3,067	90 10 56.4	16,696	227
19429	Leo	9	45 22.53	3,431	63 59 34.3	16,697	148
19430	Leo Minor....	5½	45 22.95	3,737	47 59 56.7	16,697	216
19431	Leo	8½	45 23.31	3,481	60 57 30.0	16,698	53
19432	Hydra	7	45 26.24	2,938	100 5 35.8	16,700	326
19433	Hydra	5	45 26.32	2,828	108 3 55.8	16,700	283
19434	Leo Minor....	9	45 29.24	3,610	53 53 29.7	16,703	323
19435	Leo	9	45 30.51	3,430	64 4 42.4	16,704	148
19436	Ursa Major ..	9	45 31.78	4,053	36 58 59.7	16,705	382
19437	Sextans	7	45 34.02	3,017	94 1 58.4	16,706	321
19438	Leo	9½	45 35.52	3,277	74 18 49.1	16,708	222
19439	Sextans	8	45 37.05	3,118	86 15 28.4	16,709	325
19440	Leo	5½	9 45 38.67	+3,198	80 7 32.3	+16,710	324

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19441	Leo	9	9 45 39.70	+3,222	78 23 29.0	+16,711	218
19442	Leo	7½	45 44.20	3,277	74 19 34.1	16,715	222
19443	Leo	8	45 46.97	3,364	68 16 39.7	16,717	212
19444	Hydra	8	45 48.49	2,780	111 23 46.3	16,718	286
19445	Sextans	6	45 51.48	2,967	97 53 37.3	16,721	330
19446	Leo Minor....	7½	45 53.16	3,607	53 55 53.6	16,722	221
19447	Leo Minor....	8	45 53.74	3,608	53 55 51.8	16,723	60
19448	Leo Minor....	7	45 54.08	3,608	53 55 54.8	16,723	323
19449	Leo	8	45 56.42	3,349	69 17 35.9	16,724	212
19450	Leo Minor....	8	45 57.22	3,687	50 7 13.9	16,725	225
19451	Leo Minor....	8	45 57.66	3,685	50 7 2.3	16,726	58
19452	Leo	9	45 58.41	3,349	69 18 9.0	16,726	212
19453	Leo	8½	45 58.74	3,349	69 17 37.6	16,726	222
19454	Leo	8	45 58.75	3,349	69 17 39.0	16,726	220
19455	Leo	9	45 58.75	3,349	69 18 8.0	16,726	220
19456	Leo	9	45 59.00	3,349	69 18 8.7	16,727	222
19457	Leo	8½	45 59.45	3,426	64 15 27.7	16,727	148
19458	Ursa Major ..	8	45 59.57	5,097	20 0 34.3	16,727	366
19459	Sextans	9	46 0.63	3,033	92 52 0.1	16,728	276
19460	Hydra	7	46 4.63	2,851	106 31 30.8	16,731	281
19461	Hydra	9	46 6.47	2,935	100 18 23.5	16,733	326
19462	Leo Minor....	8	46 7.33	3,727	48 18 38.2	16,733	216
19463	Hydra	9½	46 8.61	2,906	102 32 8.6	16,734	328
19464	Sextans	8	46 11.47	3,134	85 0 44.4	16,737	327
19465	Sextans	7	46 11.91	2,983	96 42 11.3	16,737	152
19466	Leo	9½	46 12.98	3,164	82 43 3.8	16,738	226
19467	Leo	8	46 18.01	3,341	69 45 59.6	16,742	220
19468	Sextans	9	46 21.44	3,032	92 53 31.2	16,744	276
19469	Leo Minor....	8½	46 22.81	3,566	56 1 13.8	16,746	210
19470	Hydra	8	46 23.73	2,805	109 48 0.5	16,746	284
19471	Sextans	8½	46 24.02	3,133	85 5 21.5	16,747	327
19472	Sextans	8	46 24.60	3,076	89 31 1.4	16,747	227
19473	Sextans	6	46 24.62	3,137	84 48 39.1	16,747	327
19474	Leo	9	46 26.39	3,422	64 26 13.0	16,749	148
19475	Leo Minor....	8	46 27.64	3,786	45 45 56.9	16,750	331
19476	Leo	8	46 32.32	3,354	68 52 58.7	16,753	220
19477	Leo Minor....	9	46 33.28	3,683	50 9 36.5	16,754	59
19478	Leo	8	46 35.80	3,354	68 52 58.6	16,756	212
19479	Leo	7	46 36.64	3,300	72 35 41.4	16,757	332
19480	Ursa Major ..	8	9 46 37.14	+5,061	20 15 35.7	+16,757	366

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			h m s	s	° ' "	"	
19481	Leo	8½	9 46 39.10	+3,519	58° 32' 14.9	+16,759	150
19482	Sextans	7½	46 43.98	3,125	85 43 4.5	16,763	325
19483	Sextans	8	46 47.53	2,962	98 18 18.7	16,766	330
19484	Hydra	8½	46 48.94	2,820	108 46 3.5	16,767	283
19485	Hydra	7	46 49.46	2,907	102 31 10.6	16,767	328
19486	Leo .....	.	46 52.73	3,390	66 23 19.8	16,770	149
19487	Leo	8	46 54.51	3,365	68 4 12.7	16,771	212
19488	Leo	8	46 57.30	3,471	61 17 37.3	16,773	147
19489	Leo .....	.	46 57.65	3,471	61 17 33.8	16,774	53
19490	Leo	9	46 58.51	3,244	76 38 31.7	16,774	217
19491	Sextans	9	47 3.68	3,028	93 16 35.3	16,778	276
19492	Leo Minor....	8½	47 5.31	3,718	48 28 50.4	16,780	216
19493	Leo Minor....	9	47 5.98	3,570	55 39 49.6	16,780	210
19494	Sextans	8	47 6.33	3,109	86 56 48.8	16,781	325
19495	Sextans	8	47 9.37	2,958	98 38 28.8	16,783	330
19496	Hydra	8½	47 9.58	2,917	101 44 7.5	16,783	328
19497	Sextans	9½	47 10.95	3,157	83 10 54.7	16,784	226
19498	Sextans	8½	47 11.88	2,961	98 25 49.1	16,785	330
19499	Hydra	8½	47 12.63	2,799	110 18 38.5	16,786	284
19500	Sextans	8½	47 14.79	3,015	94 14 14.2	16,787	321
19501	Leo Minor....	9	47 16.94	3,568	55 45 34.7	16,789	210
19502	Leo	8	47 17.67	3,384	66 44 24.2	16,790	150
19503	Leo	7½	47 18.29	3,282	73 49 50.9	16,790	222
19504	Sextans	9	47 19.16	3,032	92 58 5.5	16,791	276
19505	Sextans	8½	47 19.39	3,008	94 50 20.8	16,791	321
19506	Hydra	8	47 19.74	2,757	113 9 27.8	16,791	286
19507	Leo Minor....	9	47 20.63	3,730	47 55 17.0	16,792	216
19508	Leo	4½	47 27.02	3,244	76 36 26.7	16,797	217
19509	Leo Minor....	9	47 27.38	3,720	48 20 48.4	16,797	216
19510	Leo	8	47 28.92	3,515	58 37 42.1	16,798	150
19511	Leo	5½	47 31.04	3,189	80 44 12.4	16,801	324
19512	Sextans	7½	47 32.81	3,057	90 59 40.6	16,802	227
19513	Sextans	8½	47 37.87	3,057	90 59 58.6	16,806	227
19514	Leo Minor....	7	47 39.27	3,757	46 43 50.7	16,807	331
19515	Leo	7	47 56.04	3,223	78 5 32.9	16,810	218
19516	Leo	6	48 2.30	3,500	59 24 15.3	16,825	53
19517	Leo	7	48 3.75	3,217	78 35 33.7	16,826	218
19518	Leo Minor....	8	48 5.24	3,532	57 34 43.4	16,827	150
19519	Hydra	7	48 5.53	2,867	105 34 21.1	16,828	281
19520	Ursa Major ..	9	9 48 12.23	+5,205	18 48 52.1	+16,833	366

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			h m s	s	° ' "	"	
19521	Sextans	7½	9 48 13.97	+3,160	82 56 4.5	+16,835	226
19522	Leo	7	48 18.22	3,367	67 43 50.5	16,838	212
19523	Sextans	7	48 20.69	3,143	84 14 25.3	16,840	327
19524	Leo Minor	9	48 22.41	3,545	56 46 21.8	16,841	210
19525	Hydra	8	48 25.11	2,913	102 10 56.4	16,843	328
19526	Hydra	8	48 25.41	2,802	110 13 59.1	16,843	284
19527	Sextans	9½	48 32.15	2,990	96 14 3.7	16,849	152
19528	Leo	9	48 34.69	3,177	81 36 52.6	16,851	226
19529	Leo	8	48 46.35	3,415	64 29 40.6	16,860	148
19530	Hydra	7½	48 49.32	2,903	102 59 27.7	16,863	328
19531	Sextans	7	48 53.50	3,043	92 4 7.5	16,866	276
19532	Leo	9	48 56.78	3,231	77 26 28.2	16,868	218
19533	Leo	9	48 59.52	3,292	72 53 37.0	16,871	332
19534	Sextans	8½	49 0.03	3,119	86 5 2.3	16,871	325
19535	Leo Minor	9	49 0.33	3,769	45 58 4.1	16,871	331
19536	Leo	9	49 1.52	3,275	74 10 19.5	16,872	222
19537	Leo Minor	7½	49 4.80	3,767	46 2 49.2	16,874	331
19538	Sextans	6½	49 9.97	3,043	92 7 24.8	16,879	276
19539	Hydra	8	49 11.02	2,900	103 11 37.6	16,880	328
19540	Leo Minor	9½	49 14.12	3,733	47 27 17.0	16,882	216
19541	Sextans	7½	49 14.88	3,148	83 49 37.7	16,883	327
19542	Sextans	6	49 20.11	3,124	85 39 54.6	16,887	325
19543	Leo Minor	9	49 22.18	3,729	47 34 40.2	16,888	216
19544	Leo	9½	49 22.53	3,399	65 29 23.6	16,888	150
19545	Leo Minor	6	49 26.72	3,536	57 5 51.4	16,892	210
19546	Leo Minor	8	49 27.75	3,760	46 14 42.4	16,893	331
19547	Hydra	7½	49 33.41	2,876	105 3 39.1	16,897	279
19548	Sextans	8	49 37.13	2,982	96 54 15.8	16,900	152
19549	Leo W	4	49 37.69	3,184	81 0 5.9	16,901	324
19550	Leo W	4	49 37.97	3,184	81 0 8.9	16,901	226
19551	Hydra	8	49 40.77	2,906	102 47 22.0	16,903	328
19552	Leo	8	49 42.74	3,311	71 28 57.7	16,905	222
19553	Leo	8	49 42.87	3,311	71 29 0.5	16,905	332
19554	Leo Minor	8	49 48.32	3,511	58 27 47.4	16,909	150
19555	Leo Minor	9	49 51.21	3,535	57 5 52.5	16,911	210
19556	Hydra	6	49 52.78	2,764	112 59 56.7	16,912	286
19557	Leo Minor	8½	49 53.71	3,646	51 18 0.4	16,913	59
19558	Hydra	8	49 54.29	2,819	109 13 16.9	16,913	283
19559	Hydra	7	49 54.47	2,816	109 24 19.1	16,914	284
19560	Hydra	8½	9 49 54.51	+2,819	109 13 16.7	+16,914	284

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			h m s	s	° ' "	"	
19561	Hydra	6½	9 49 54.85	+2,816	109 24 18.0	+16,914	283
19562	Ursa Major ..	8	49 55.23	3,849	42 40 55.3	16,914	353
19563	Ursa Major ..	8	49 55.75	3,854	42 30 53.6	16,915	352
19564	Leo Minor....	9	49 56.74	3,536	57 1 50.4	16,915	210
19565	Sextans	7½	50 0.71	3,019	94 3 35.0	16,919	321
19566	Leo .....	.	50 6.49	3,404	65 3 46.5	16,923	148
19567	Leo	8	50 24.01	3,195	80 5 30.6	16,937	324
19568	Leo Minor....	7½	50 25.07	3,526	57 30 42.8	16,937	150
19569	Ursa Major ..	8	50 26.05	3,842	42 50 45.1	16,938	352
19570	Leo	8	50 26.20	3,284	73 22 30.8	16,939	222
19571	Ursa Major ..	8	50 26.33	3,842	42 50 42.6	16,939	353
19572	Leo	9	50 32.36	3,260	75 7 5.5	16,943	217
19573	Leo Minor....	9	50 34.69	3,721	47 41 48.4	16,945	216
19574	Sextans	8½	50 41.00	2,961	98 39 25.2	16,950	330
19575	Hydra	8½	50 42.60	2,871	105 33 1.3	16,951	281
19576*	Leo Minor....	8	50 43.82	3,645	51 8 57.5	16,953	59
19577	Leo	9	50 44.18	3,172	81 50 2.3	16,953	226
19578	Sextans	9	50 45.26	2,993	96 8 33.0	16,954	152
19579	Sextans	8	50 50.05	3,028	93 18 37.0	16,957	321
19580	Sextans	6½	50 51.49	3,042	92 14 4.2	16,958	276
19581	Leo Minor....	8½	50 53.95	3,660	50 25 35.1	16,960	225
19582	Leo Minor....	8½	50 55.14	3,674	49 43 35.6	16,961	225
19583	Leo Minor....	6½	51 4.78	3,734	47 2 5.0	16,969	331
19584	Leo	8½	51 9.62	3,278	73 40 43.4	16,972	222
19585	Leo Minor....	8	51 11.30	3,717	47 44 14.5	16,974	216
19586	Leo	9	51 11.68	3,170	81 58 1.5	16,974	226
19587	Ursa Major ..	6½	51 13.20	4,082	35 8 52.9	16,975	382
19588	Hydra	8½	51 18.02	2,903	103 12 15.8	16,979	328
19589	Leo	9½	51 19.81	3,245	76 8 31.9	16,980	217
19590	Sextans	7½	51 22.20	3,069	90 3 43.4	16,982	227
19591	Leo Minor....	9½	51 26.95	3,701	48 23 51.1	16,986	216
19592	Ursa Major ..	9	51 35.25	5,122	19 6 7.0	16,992	366
19593	Leo	8	51 36.35	3,267	74 28 25.3	16,993	222
19594	Leo	6	51 38.33	3,370	67 5 34.3	16,995	212
19595	Leo	6	51 38.65	3,370	67 5 31.5	16,995	150
19596	Sextans	8½	51 39.18	3,130	85 9 35.8	16,995	325
19597	Sextans	9	51 42.49	3,053	91 18 52.1	16,998	276
19598	Sextans	8	51 43.27	3,018	94 10 19.4	16,999	321
19599	Hydra	8	51 44.47	2,886	104 29 45.8	16,999	279
19600	Leo	8½	9 51 45.32	+3,264	74 42 7.7	+17,000	222

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			h m s	s	° ' "	"	
19601	Sextans	8	9 51 48,99	+3,130	85 6 30,0	+17,003	327
19602	Sextans	8½	51 49,57	3,027	93 24 47,3	17,004	321
19603	Sextans	8	51 49,67	3,130	85 6 30,8	17,004	325
19604	Leo Minor	7	51 52,27	3,644	51 5 42,6	17,006	59
19605	Hydra	7½	51 54,40	2,780	112 11 32,7	17,007	286
19606	Ursa Major ..	7½	51 57,30	4,020	36 40 5,7	17,010	382
19607	Hydra	9	52 1,76	2,845	107 34 59,8	17,013	283
19608	Hydra	7½	52 4,39	2,862	106 22 26,1	17,015	281
19609	Hydra	8½	52 7,46	2,920	101 56 31,0	17,017	328
19610	Leo Minor	8	52 8,27	3,739	46 40 0,8	17,018	331
19611	Leo	9	52 15,11	3,206	79 6 10,1	17,023	218
19612	Sextans	9	52 16,69	3,058	91 10 30,9	17,024	276
19613	Leo Minor	7½	52 16,85	3,540	56 23 30,1	17,024	210
19614	Sextans	8	52 17,89	3,127	85 22 14,2	17,025	325
19615	Leo Minor	8½	52 18,06	3,519	57 33 24,2	17,026	150
19616	Leo Minor	8	52 19,96	3,698	48 22 27,1	17,027	216
19617	Leo	8½	52 22,98	3,170	81 55 34,8	17,029	226
19618	Hydra	8	52 25,49	2,893	104 4 11,0	17,031	279
19619	Hydra	8	52 28,79	2,853	107 2 1,6	17,034	281
19620	Hydra	7	52 29,01	2,772	112 50 55,8	17,034	286
19621	Leo Minor	7½	52 34,44	3,535	56 35 1,4	17,038	210
19622	Sextans	9	52 34,87	3,100	87 33 16,2	17,039	275
19623	Hydra	8½	52 35,87	2,893	104 2 8,8	17,039	279
19624	Sextans	7	52 35,93	3,068	90 6 9,8	17,039	227
19625	Leo	8	52 41,19	3,184	80 48 33,4	17,043	223
19626	Leo	8	52 41,29	3,184	80 48 32,8	17,043	324
19627	Ursa Major ..	9	52 44,00	4,947	20 35 5,2	17,045	366
19628	Leo	8	52 44,25	3,315	70 48 55,4	17,046	222
19629	Leo	8	52 44,75	3,315	70 49 3,0	17,046	332
19630	Sextans	8	52 47,58	3,139	84 22 18,9	17,048	327
19631	Sextans	8½	52 48,69	3,156	82 59 4,5	17,049	226
19632	Hydra	9	52 49,38	2,892	104 10 20,5	17,050	279
19633	Sextans	8½	52 49,61	3,008	94 57 59,6	17,050	321
19634	Hydra	7	52 51,62	2,916	102 20 17,2	17,051	328
19635	Leo	7½	52 53,65	3,325	70 5 1,1	17,053	220
19636	Leo	7	52 53,97	3,205	79 8 22,3	17,053	218
19637	Sextans	6½	52 54,36	3,012	94 39 25,8	17,053	321
19638	Leo	6½	52 54,68	3,205	79 8 25,4	17,053	324
19639	Leo	8½	53 1,92	3,233	76 54 58,2	17,059	217
19640	Hydra	8½	9 53 6,10	+2,942	100 15 58,1	+17,062	326

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			h m s	s	° ' "	"	
19641	Hydra	7	9 53 11.60	+2,821	109 27 47.1	+17,067	284
19642	Sextans	6½	53 13.70	3,130	85 4 3.0	17,068	327
19643	Sextans	7	53 13.86	3,130	85 4 6.8	17,068	325
19644	Hydra	9	53 15.77	2,943	100 12 52.9	17,070	326
19645	Hydra	9	53 16.50	2,939	100 30 23.0	17,070	326
19646	Sextans	7½	53 17.09	2,963	98 35 44.1	17,071	330
19647	Leo	7½	53 24.27	3,226	77 24 33.9	17,076	217
19648	Leo	7	53 24.94	3,226	77 24 35.0	17,077	218
19649	Leo	•	53 25.34	3,375	66 28 2.3	17,077	150
19650	Leo	8½	53 26.27	3,170	81 51 38.9	17,078	226
19651	Hydra	9	53 29.22	2,816	109 52 16.2	17,080	284
19652	Leo Minor....	7½	53 30.96	3,701	47 59 23.1	17,081	216
19653	Ursa Major ..	8	53 31.31	4,959	20 21 49.7	17,082	366
19654	Sextans	8	53 31.64	3,039	92 31 7.3	17,082	276
19655	Leo Minor....	•	53 32.88	3,486	59 17 19.7	17,083	150
19656	Leo	8	53 37.29	3,252	75 26 31.4	17,086	217
19657	Hydra	9	53 39.65	2,922	101 54 41.8	17,088	328
19658	Hydra	9	53 42.60	2,848	107 31 57.7	17,090	283
19659	Sextans	6	53 46.11	3,121	85 49 50.3	17,093	325
19660	Hydra	7½	53 46.20	2,866	106 13 11.5	17,093	281
19661	Leo Minor....	7	53 47.84	3,572	54 20 36.4	17,094	60
19662	Sextans	4½	53 48.16	2,964	98 36 38.3	17,095	330
19663	Hydra	8	53 49.48	2,815	109 58 7.1	17,096	284
19664	Leo Minor....	7	53 49.49	3,668	49 27 9.8	17,096	225
19665	Leo Minor....	7½	53 50.38	3,668	49 27 7.0	17,096	59
19666	Hydra	7½	53 53.49	2,922	101 54 52.9	17,099	328
19667	Leo Minor....	9	53 56.39	3,692	48 19 26.4	17,101	216
19668	Leo	9	53 56.49	3,363	67 12 36.1	17,101	150
19669	Sextans	7½	53 57.15	2,957	99 11 20.1	17,101	330
19670	Leo Minor....	8½	53 57.97	3,700	47 56 36.1	17,102	216
19671	Leo Minor....	7½	53 58.98	3,577	54 1 52.2	17,103	60
19672	Leo	8½	54 1.03	3,365	67 3 46.1	17,104	150
19673	Sextans	9	54 3.04	3,144	83 57 13.3	17,106	327
19674	Leo Minor....	8	54 4.60	3,562	54 49 53.8	17,107	60
19675	Leo Minor....	8	54 4.63	3,563	54 46 50.8	17,107	60
19676	Leo Minor....	8½	54 4.88	3,696	48 6 31.2	17,107	216
19677	Leo	8½	54 5.68	3,336	69 7 10.1	17,108	212
19678	Leo	9	54 9.66	3,329	69 35 48.3	17,111	222
19679	Sextans	6½	54 20.25	3,143	84 1 55.4	17,119	327
19680	Sextans	8	9 54 25.21	+2,969	98 11 55.9	+17,123	330

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			h m s	s	° ' "	"	
19681	Sextans	8	9 54 26.03	+2,993	96 14 35.2	+17,123	152
19682	Leo Minor	7	54 26.10	3,664	49 31 45.9	17,124	225
19683	Leo Minor	7½	54 26.73	3,664	49 31 42.2	17,124	59
19684	Hydra	8	54 29.21	2,855	107 8 15.6	17,126	281
19685	Leo	7	54 29.39	3,179	81 2 39.4	17,126	324
19686	Ursa Major ..	8	54 29.64	4,034	35 50 4.8	17,126	382
19687	Leo	7	54 29.64	3,179	81 2 46.2	17,126	223
19688	Leo	7½	54 29.83	3,179	81 2 47.8	17,126	226
19689	Hydra	7	54 31.21	2,855	107 8 15.6	17,127	281
19690	Leo Minor	8	54 33.65	3,724	46 44 39.0	17,129	331
19691	Leo Minor	8	54 34.97	3,508	57 48 7.8	17,130	150
19692	Ursa Major ..	8	54 38.54	3,791	43 58 21.8	17,133	352
19693	Sextans	9	54 45.06	3,076	89 30 38.9	17,138	227
19694	Leo	6	54 48.77	3,278	73 16 34.5	17,141	222
19695	Leo	6	54 49.32	3,278	73 16 31.8	17,141	332
19696	Hydra	9½	54 49.45	2,838	108 28 39.9	17,141	283
19697	Hydra	7½	54 52.50	2,938	100 45 45.1	17,144	326
19698	Leo	•	54 53.55	3,390	65 11 54.6	17,144	148
19699	Hydra	8½	54 57.46	2,838	108 26 50.7	17,147	283
19700	Leo Minor	8	54 58.92	3,631	51 0 31.1	17,148	225
19701	Leo	9	54 59.39	3,309	70 55 50.4	17,149	220
19702	Leo	9	55 0.41	3,309	70 55 53.0	17,149	222
19703	Leo	7	55 2.57	3,357	67 31 15.5	17,151	212
19704	Ursa Major ..	9½	55 2.97	4,026	35 57 22.1	17,152	382
19705	Sextans	6½	55 5.38	3,039	92 33 7.6	17,153	276
19706	Hydra	8	55 7.97	2,858	106 58 27.8	17,155	281
19707	Sextans	7	55 13.45	3,040	92 24 37.4	17,159	276
19708	Leo Minor	8	55 22.49	3,635	50 44 1.0	17,166	225
19709	Hydra v²	5	55 23.30	2,921	102 5 59.7	17,167	328
19710	Leo Minor	8	55 24.14	3,656	49 44 0.6	17,167	59
19711	Sextans	7½	55 28.66	3,122	85 38 35.0	17,171	325
19712	Sextans	•	55 30.01	2,945	100 14 8.2	17,172	326
19713	Sextans	7	55 35.02	2,965	98 34 49.2	17,176	330
19714	Leo Minor	6	55 35.04	3,576	53 47 10.4	17,176	60
19715	Leo Minor	8½	55 39.12	3,641	50 22 48.2	17,179	59
19716	Hydra	9½	55 41.64	2,923	102 0 42.4	17,181	328
19717	Leo	8½	55 42.82	3,305	71 8 6.3	17,181	222
19718	Leo	8	55 43.37	3,305	71 8 7.8	17,182	220
19719	Leo	8½	55 44.24	3,178	81 5 9.4	17,183	223
19720	Leo	8	9 55 44.26	+3,178	81 5 9.6	+17,183	324

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			h m s	s	° ' "	"	
19721	Leo	9	9 55 44.63	+3.178	81 5 12.1	+17.183	226
19722	Sextans	7½	55 47.18	3.111	86 36 8.8	17.185	325
19723	Sextans	8	55 47.19	3.124	85 29 4.8	17.185	325
19724	Leo	8	55 51.54	3.238	76 14 56.0	17.188	217
19725	Ursa Major ..	9	55 57.88	4.018	35 59 2.5	17.193	382
19726	Sextans	7½	56 7.69	3.123	85 33 9.9	17.200	325
19727	Sextans	6½	56 19.46	3.149	83 25 5.7	17.209	226
19728*	Sextans	6	56 19.53	3.149	83 25 3.5	17.209	327
19729	Leo η	3	56 24.39	3.289	72 15 57.6	17.213	222
19730	Leo η	3½	56 24.50	3.289	72 16 5.9	17.213	280
19731	Leo η	3	56 24.87	3.289	72 16 3.8	17.213	332
19732	Leo Minor	6	56 40.69	3.508	57 25 16.9	17.225	150
19733	Hydra	7½	56 43.40	2.821	109 58 49.6	17.227	284
19734	Sextans	8½	56 46.27	3.125	85 20 32.6	17.229	325
19735	Leo	6½	56 48.99	3.268	73 51 57.6	17.231	222
19736	Sextans	8	56 50.98	3.042	92 18 50.3	17.233	276
19737	Leo	9	56 51.59	3.240	76 0 27.7	17.233	217
19738	Leo Minor	8	56 59.26	3.552	54 46 57.4	17.239	60
19739	Sextans	8	57 3.96	3.015	94 35 41.0	17.242	321
19740	Hydra	8½	57 7.66	2.817	110 19 0.1	17.245	284
19741	Hydra	9	57 8.07	2.843	108 20 8.4	17.245	283
19742	Sextans	9	57 13.53	3.077	89 22 15.0	17.251	227
19743	Sextans	7	57 16.21	3.092	88 6 41.0	17.251	275
19744	Leo δ	4½	57 16.67	3.202	79 1 37.0	17.252	218
19745	Leo δ	4	57 16.87	3.202	79 1 36.4	17.252	324
19746	Hydra	7½	57 19.64	2.868	106 28 25.4	17.254	281
19747	Leo Minor	8	57 20.29	3.630	50 35 37.8	17.254	59
19748	Hydra	8½	57 31.35	2.868	106 30 52.6	17.263	281
19749	Leo	8½	57 32.87	3.226	77 1 54.2	17.264	217
19750	Hydra	6	57 33.59	2.872	106 10 5.7	17.264	281
19751	Leo Minor	8½	57 39.67	3.623	50 52 6.2	17.269	59
19752	Leo α	1	57 41.63	3.226	77 3 36.3	17.270	327
19753	Sextans	4	57 41.82	3.077	89 23 57.2	17.270	227
19754	Hydra	7	57 41.98	2.818	110 17 10.0	17.271	284
19755	Leo α	1	57 42.36	3.226	77 3 39.1	17.271	332
19756	Leo α	1	57 42.40	3.226	77 3 39.2	17.271	217
19757	Leo α	1	57 42.41	3.226	77 3 40.7	17.271	280
19758	Leo α	1	57 42.43	3.226	77 3 39.3	17.271	222
19759	Leo α	1	57 42.44	3.226	77 3 41.4	17.271	226
19760	Leo α	1	9 57 42.57	+3.226	77 3 40.1	+17.271	223

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			h m s	s	° ' "	"	
19761	Leo α	1	9 57 42.57	+3,226	77 3 35.8	+17,271	212
19762	Leo α	1	57 42.67	3,226	77 3 39.3	17,271	218
19763	Leo α	1	57 42.70	3,226	77 3 38.4	17,271	324
19764	Leo α	1	57 43.70	3,226	77 3 34.6	17,272	222
19765	Hydra $7\frac{1}{2}$		57 53.48	2,839	108 44 15.0	17,279	283
19766	Leo $7\frac{1}{2}$		58 8.36	3,310	70 29 28.0	17,290	222
19767	Leo $7\frac{1}{2}$		58 8.42	3,310	70 29 34.4	17,290	220
19768	Leo Minor.... $8\frac{1}{2}$		58 19.27	3,626	50 36 46.3	17,298	59
19769	Sextans $8\frac{1}{2}$		58 26.15	3,032	93 10 19.6	17,303	277
19770	Hydra $8\frac{1}{2}$		58 38.40	2,842	108 35 32.3	17,312	283
19771	Leo Minor.... $8\frac{1}{2}$		58 39.47	3,544	54 53 32.1	17,313	60
19772	Sextans $6\frac{1}{2}$		58 45.54	3,154	82 51 15.8	17,317	327
19773	Sextans 7		58 45.59	3,154	82 51 15.3	17,318	226
19774	Leo Minor.... $8\frac{1}{2}$		58 47.43	3,644	49 39 10.7	17,319	225
19775	Leo $8\frac{1}{2}$		58 50.39	3,275	73 5 21.8	17,321	332
19776	Leo Minor.... $6\frac{1}{2}$		58 52.31	3,669	48 21 45.1	17,322	216
19777	Leo Minor.... 6		58 52.34	3,669	48 21 40.7	17,323	8
19778	Leo 7		58 54.17	3,195	79 25 58.2	17,324	324
19779	Leo $7\frac{1}{2}$		58 54.44	3,195	79 25 56.6	17,324	223
19780	Hydra 7		58 54.44	2,841	108 45 45.4	17,324	283
19781	Hydra $6\frac{1}{2}$		58 56.45	2,894	104 38 15.7	17,326	279
19782	Sextans 7		59 5.25	3,109	86 39 8.2	17,332	325
19783	Leo $8\frac{1}{2}$		59 9.36	3,304	70 49 16.0	17,335	220
19784	Leo 8		59 9.41	3,304	70 49 14.6	17,335	222
19785	Sextans $8\frac{1}{2}$		59 10.51	3,062	90 41 28.1	17,336	227
19786	Hydra 8		59 16.11	2,924	102 13 3.6	17,340	328
19787	Leo 8		59 17.39	3,340	68 4 43.7	17,341	212
19788	Sextans 8		59 17.75	3,109	86 40 21.3	17,341	325
19789	Leo Minor.... 6		59 19.43	3,602	51 37 10.8	17,343	56
19790	Leo Minor.... 7		59 20.35	3,690	47 17 17.5	17,343	331
19791	Leo Minor.... 7		59 21.49	3,690	47 17 15.0	17,344	8
19792	Leo Minor.... 8		59 21.65	3,690	47 17 21.5	17,344	216
19793	Sextans 8		59 22.45	3,035	92 58 14.2	17,345	277
19794	Leo 8		59 23.83	3,381	65 8 26.5	17,345	148
19795	Hydra $7\frac{1}{2}$		59 29.91	2,896	104 30 27.1	17,350	279
19796	Hydra 7		59 37.69	2,922	102 23 14.3	17,356	328
19797	Hydra $7\frac{1}{2}$		59 42.16	2,863	107 9 31.5	17,359	281
19798	Ursa Major .. 9		59 43.63	3,729	45 28 55.3	17,360	331
19799	Leo Minor.... .		59 46.30	3,508	56 49 24.7	17,362	228
19800	Leo 8		9 59 47.39	+3,219	77 26 19.2	+17,363	218

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			h m s	s	° ' "	"	
19801	Hydra	8	9 59 48.05	+2,791	112 35 22.6	+17,363	286
19802	Hydra	7½	59 48.51	2,947	100 55 1.1	17,364	326
19803	Leo	8½	59 49.66	3,274	72 58 44.8	17,365	332
19804	Leo	8	59 52.28	3,270	73 18 52.1	17,366	332
19805	Leo	8	59 53.01	3,270	73 18 51.5	17,367	222
19806	Leo	8½	59 58.48	3,222	77 11 44.8	17,371	217
19807	Leo	8	9 59 58.94	3,222	77 11 46.9	17,371	218
19808	Leo	7	10 2.82	3,335	68 19 2.2	17,374	212
19809	Leo	9	0 7.77	3,254	74 32 23.0	17,378	222
19810	Hydra	6½	0 8.02	2,938	101 7 4.9	17,378	326
19811	Sextans	6	0 11.17	2,983	97 25 47.0	17,380	330
19812	Sextans	6½	0 11.40	2,983	97 25 50.0	17,380	152
19813	Leo	8½	0 12.02	3,437	61 10 34.1	17,381	147
19814	Hydra	6	0 20.84	2,930	101 49 59.1	17,387	328
19815	Sextans	8½	0 21.27	3,104	87 5 7.1	17,388	325
19816	Leo	8	0 21.72	3,171	81 19 31.5	17,388	223
19817	Sextans	8	0 22.03	3,017	94 29 28.1	17,388	321
19818	Hydra	9	0 22.30	2,818	110 42 13.6	17,388	284
19819	Leo	9	0 29.56	3,382	64 54 6.5	17,394	148
19820	Sextans	8	0 41.99	3,153	82 51 6.7	17,402	226
19821	Leo	8½	0 42.44	3,376	65 16 9.0	17,403	148
19822	Hydra λ	4	0 49.99	2,936	101 22 11.8	17,408	326
19823	Sextans	7	0 51.39	3,053	91 26 6.1	17,409	277
19824	Leo	8	0 52.07	3,223	76 58 59.7	17,410	217
19825	Leo	7	0 52.85	3,239	75 39 45.0	17,410	217
19826	Leo	9	0 52.96	3,289	71 44 40.5	17,410	332
19827	Leo Minor....	8	0 56.21	3,491	57 36 14.8	17,413	150
19828	Sextans	5½	0 59.14	2,983	97 26 11.1	17,415	330
19829	Sextans	6	0 59.27	2,983	97 26 11.1	17,415	152
19830	Leo	8	0 59.66	3,326	68 54 6.1	17,415	212
19831	Leo	8½	1 0.23	3,424	61 54 41.9	17,416	147
19832	Hydra	8	1 0.43	2,928	102 3 0.0	17,416	328
19833	Leo	7	1 0.47	3,326	68 54 3.4	17,416	327
19834	Hydra	7	1 1.37	2,859	107 37 23.5	17,416	283
19835	Hydra	7½	1 12.42	2,895	104 43 46.5	17,425	279
19836	Sextans	7½	1 18.44	2,996	96 20 11.1	17,429	152
19837	Leo Minor....	7½	1 18.60	3,440	60 46 34.3	17,429	53
19838	Ursa Major ..	8	1 19.35	3,684	47 8 1.5	17,430	331
19839	Ursa Major ..	8½	1 19.76	3,684	47 8 1.4	17,430	216
19840	Hydra	7½	10 1 20.66	+2,881	105 57 0.2	+17,431	281

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			h m s	s	° ' "	"	
19841	Sextans	9½	10 1 21,76	+3,061	90 44 50,8	+17,431	227
19842	Sextans	8½	1 22,19	2,972	98 25 18,3	17,432	330
19843	Ursa Major ..	8	1 23,87	5,112	17 56 57,7	17,433	366
19844	Ursa Major ..	9	1 24,68	5,111	17 57 17,8	17,433	366
19845	Leo	8	1 26,93	3,288	71 42 28,5	17,435	332
19846	Hydra	8	1 42,67	2,872	106 39 18,2	17,447	281
19847	Leo Minor	9	1 42,71	3,488	57 38 23,1	17,447	150
19848	Ursa Major ..	8	1 44,01	3,681	47 12 14,7	17,447	8
19849	Ursa Major ..	8½	1 44,21	3,681	47 12 14,6	17,447	216
19850	Ursa Major ..	8	1 44,32	3,681	47 12 12,6	17,448	331
19851	Leo Minor	8½	1 44,44	3,630	49 40 38,3	17,448	59
19852	Hydra	6½	1 45,91	2,856	107 58 18,8	17,449	283
19853	Leo .....	.	1 47,54	3,426	61 35 29,8	17,450	147
19854	Leo Minor	9	1 51,48	3,490	57 30 16,0	17,453	150
19855	Leo	9	1 56,14	3,361	66 8 56,9	17,456	150
19856	Sextans	9	2 2,21	3,066	90 16 45,8	17,461	227
19857	Leo	9	2 3,93	3,170	81 20 23,6	17,462	226
19858	Leo	8	2 7,21	3,341	67 35 44,7	17,464	212
19859	Leo	7½	2 7,29	3,341	67 35 44,3	17,464	327
19860	Hydra	9	2 13,87	2,923	102 34 53,3	17,469	328
19861	Sextans	6	2 23,55	3,134	84 24 7,8	17,476	229
19862	Leo	8	2 24,86	3,406	62 51 53,1	17,477	147
19863	Sextans	9	2 26,20	3,117	85 54 6,0	17,478	325
19864	Hydra	8	2 28,47	2,952	100 9 14,5	17,479	326
19865	Leo	6	2 29,61	3,420	61 52 52,2	17,480	147
19866	Hydra	8½	2 31,01	2,827	110 18 5,9	17,481	284
19867	Hydra	8½	2 34,98	2,892	105 11 43,9	17,484	279
19868	Hydra	8	2 38,23	2,893	105 6 13,8	17,486	279
19869	Leo Minor ....	.	2 38,61	3,486	57 35 20,1	17,486	150
19870	Sextans	8	2 40,60	3,117	85 51 35,9	17,488	325
19871	Leo Minor	9	2 43,89	3,436	60 44 12,5	17,491	53
19872	Hydra	8	2 45,30	2,850	108 34 12,7	17,491	283
19873	Leo Minor	9	2 50,91	3,598	51 3 48,4	17,495	225
19874	Sextans	7	2 52,20	3,116	85 56 31,1	17,497	325
19875	Leo Minor	8	2 52,95	3,598	51 3 45,7	17,497	59
19876	Leo Minor	9	2 52,99	3,598	51 3 50,1	17,497	56
19877	Leo	7	2 53,94	3,187	79 49 45,9	17,498	223
19878	Leo	8	2 54,22	3,187	79 49 45,9	17,498	229
19879	Hydra	9	3 0,47	2,952	100 13 2,8	17,502	326
19880	Hydra	6	10 3 8,50	+2,855	108 9 46,3	+17,508	283

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			h	m	s	s	°	'	"	"	
19881	Sextans	8½	10	3	10,28	+3,021	94	14	2,5	+17,509	321
19882	Leo	8		3	10,59	3,206	78	10	18,8	17,509	218
19883	Sextans	8		3	11,94	2,989	97	1	6,9	17,510	330
19884	Leo	9		3	17,21	3,216	77	19	30,6	17,514	217
19885	Sextans	7		3	18,71	2,984	97	17	34,5	17,515	330
19886	Ursa Major ..	7½		3	19,32	3,675	47	8	15,6	17,515	331
19887	Ursa Major ..	8		3	20,02	3,674	47	8	16,7	17,516	216
19888	Leo	6		3	27,47	3,335	67	50	28,6	17,521	327
19889	Leo	6		3	27,73	3,335	67	50	30,3	17,521	212
19890	Sextans	6½		3	27,96	3,023	94	5	57,2	17,522	321
19891	Hydra	7		3	30,04	2,849	108	42	15,7	17,523	283
19892	Leo Minor....	6		3	35,11	3,483	57	32	45,3	17,527	150
19893	Hydra	9		3	38,48	2,899	104	42	38,8	17,529	279
19894	Leo	7½		3	39,82	3,270	72	52	29,9	17,530	332
19895	Sextans	6½		3	42,48	3,022	94	14	2,6	17,532	321
19896	Sextans	7½		3	42,69	3,117	85	50	26,1	17,532	325
19897	Sextans	7		3	47,61	2,997	96	23	58,9	17,536	152
19898	Sextans	8½		3	47,79	3,034	93	8	10,2	17,536	277
19899	Sextans	8½		3	54,73	3,025	93	57	31,9	17,541	321
19900	Leo	8½		4	10,23	3,307	69	53	12,3	17,552	222
19901	Leo	9		4	10,27	3,307	69	53	17,7	17,552	220
19902	Sextans	6½		4	10,33	2,990	97	□	21,0	17,552	330
19903	Sextans	7		4	10,60	2,990	97	□	19,7	17,552	152
19904	Sextans	8		4	15,58	3,146	83	15	46,4	17,555	229
19905	Sextans	8		4	15,72	3,146	83	15	42,9	17,555	226
19906	Leo	9		4	19,17	3,278	72	9	7,1	17,558	332
19907	Sextans	8½		4	20,66	3,068	90	8	20,9	17,559	227
19908	Hydra	8		4	21,39	2,912	103	44	18,3	17,559	279
19909	Leo	7½		4	21,71	3,186	79	47	57,1	17,560	223
19910	Leo	8		4	21,98	3,186	79	47	57,1	17,560	229
19911	Leo Minor....	7½		4	26,84	3,542	53	50	43,9	17,564	60
19912	Leo	7½		4	28,85	3,215	77	20	14,8	17,565	217
19913	Hydra	7½		4	29,22	2,807	112	5	37,8	17,565	286
19914	Leo	7		4	29,47	3,215	77	20	15,9	17,565	219
19915	Ursa Major ..	8		4	30,47	3,795	41	41	35,3	17,566	353
19916	Sextans	7½		4	33,34	3,048	91	53	17,3	17,568	277
19917	Ursa Major ..	7		4	33,64	3,656	47	43	36,0	17,568	8
19918	Leo	8½		4	40,85	3,337	67	28	43,7	17,573	150
19919	Sextans	8½		4	43,84	3,090	88	11	30,1	17,576	275
19920	Hydra	6	10	4	48,06	+2,798	112	50	40,5	+17,578	286

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			h m s	s	° ' "	"	
19921	Hydra	9½	10 4 52.56	+2,926	102 34 14.4	+17,581	328
19922	Sextans	9	4 56.81	3,140	83 46 39.3	17,585	229
19923	Ursa Major λ	3½	4 58.63	3,689	46 5 34.9	17,586	331
19924	Ursa Major λ	3½	4 59.12	3,689	46 5 32.0	17,586	216
19925	Ursa Major λ	3½	4 59.17	3,689	46 5 33.8	17,586	225
19926	Leo	9	5 4.72	3,235	75 32 37.5	17,590	217
19927	Leo Minor....	7½	5 5.75	3,436	60 19 17.3	17,591	147
19928	Leo Minor....	7	5 5.77	3,436	60 19 21.8	17,591	53
19929	Leo Minor....	6	5 5.86	3,436	60 19 18.0	17,591	62
19930	Hydra	6	5 5.93	2,944	101 1 25.8	17,591	326
19931*	Ursa Major ..	6	5 7.14	3,658	47 32 23.0	17,592	8
19932	Leo Minor....	9	5 8.12	3,600	50 29 17.7	17,593	59
19933	Leo	7	5 21.24	3,287	71 16 7.4	17,602	220
19934	Leo	7	5 21.45	3,287	71 16 6.1	17,602	222
19935	Leo	7	5 22.32	3,287	71 16 14.2	17,602	332
19936	Hydra	6	5 23.13	2,947	100 48 1.0	17,603	326
19937	Leo	6½	5 26.26	3,362	65 30 27.0	17,605	150
19938	Leo	6	5 26.49	3,362	65 30 28.1	17,605	148
19939	Leo ζ	3½	5 32.23	3,360	65 35 30.2	17,609	150
19940	Leo ζ	3	5 32.71	3,360	65 35 29.2	17,610	148
19941	Sextans	9½	5 33.16	3,147	83 5 28.8	17,610	226
19942	Sextans	8	5 39.38	3,058	91 2 2.1	17,614	227
19943	Sextans	8	5 39.63	3,058	91 1 58.5	17,614	277
19944	Hydra	7½	5 46.51	2,955	100 11 43.9	17,619	326
19945	Sextans	8½	5 49.12	3,120	85 27 34.3	17,621	325
19946	Leo	6	5 55.35	3,237	75 16 47.3	17,625	217
19947	Leo	6	5 55.91	3,237	75 16 45.7	17,626	212
19948	Sextans	8	5 56.22	3,063	90 36 22.2	17,626	227
19949	Sextans	8	5 56.76	3,024	94 6 17.4	17,626	321
19950	Ursa Major ..	9	5 56.97	3,973	35 14 36.1	17,627	382
19951	Hydra	8	6 0.89	2,863	107 56 37.3	17,629	283
19952	Leo	6½	6 12.81	3,355	65 53 42.5	17,638	150
19953	Sextans	8	6 13.89	3,016	94 50 14.5	17,639	321
19954	Draco.....	9	6 15.58	5,175	16 49 49.9	17,640	366
19955	Hydra	5½	6 17.75	2,943	101 12 47.7	17,641	326
19956	Leo Minor....	9	6 19.23	3,601	50 8 32.8	17,642	59
19957	Ursa Major ..	7	6 25.90	3,685	45 57 12.8	17,647	331
19958	Leo	8½	6 25.98	3,194	78 53 29.4	17,647	219
19959	Sextans	8	6 26.25	3,052	91 36 32.0	17,647	277
19960	Sextans	7	10 6 32.65	+3,101	87 12 33.8	+17,651	325

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			h m s	s	° ' "	"	
19961	Sextans	8	10 6 32.82	+3,101	87° 12' 38.4	+17,651	275
19962	Hydra	9	6 32.84	2,867	107 43 23.0	17,651	283
19963	Leo Minor....	8½	6 34.53	3,575	51 29 51.3	17,653	56
19964	Ursa Major ..	7	6 34.98	3,769	42 14 33.5	17,653	353
19965	Ursa Major ..	6	6 35.78	3,706	44 56 34.1	17,653	331
19966	Leo Minor....	8	6 36.15	3,484	56 52 27.7	17,654	228
19967	Hydra	7½	6 36.58	2,898	105 9 3.7	17,654	281
19968	Hydra	8	6 36.95	2,898	105 9 3.3	17,654	279
19969	Sextans	8	6 37.79	3,050	91 48 10.4	17,655	277
19970	Ursa Major ..	9	6 38.07	5,054	17 44 40.5	17,655	366
19971	Leo Minor....	9	6 40.95	3,604	49 53 42.1	17,657	225
19972	Leo Minor....	8	6 42.07	3,604	49 53 38.2	17,658	59
19973	Leo	8½	6 45.60	3,313	69 0 12.1	17,660	212
19974	Leo	8	6 45.77	3,313	69 0 8.7	17,660	327
19975	Leo	8½	6 46.35	3,313	69 0 10.8	17,661	222
19976	Leo Minor....	9	6 50.38	3,607	49 41 36.9	17,664	225
19977	Leo Minor....	8	6 51.89	3,607	49 41 34.6	17,665	59
19978	Leo	7½	6 54.78	3,337	67 5 38.0	17,667	327
19979	Hydra	8	6 58.19	2,950	100 43 55.0	17,669	326
19980	Hydra	7	6 59.48	2,934	102 6 23.5	17,670	328
19981	Leo	8½	7 6.68	3,207	77 43 14.9	17,675	219
19982	Leo Minor....	8	7 7.22	3,447	59 11 6.7	17,675	62
19983	Leo	8	7 7.38	3,277	71 49 10.9	17,676	332
19984	Hydra	8	7 10.44	2,873	107 19 7.5	17,677	283
19985	Ursa Major ..	7	7 16.24	3,964	35 13 34.5	17,682	382
19986	Hydra	7	7 17.56	2,844	109 40 36.8	17,682	284
19987	Hydra	9	7 19.82	2,846	109 30 1.6	17,684	284
19988	Sextans	8½	7 22.17	3,140	83 37 57.5	17,686	229
19989	Leo	8½	7 26.57	3,279	71 36 38.7	17,689	332
19990	Leo	8½	7 40.61	3,237	75 4 17.8	17,698	222
19991	Sextans	5½	7 41.64	2,991	97 4 26.6	17,699	330
19992	Leo	7½	7 42.42	3,222	76 22 54.0	17,699	217
19993	Leo	8	7 45.09	3,177	80 19 23.5	17,701	223
19994	Sextans	8	7 50.55	3,039	92 49 45.0	17,705	277
19995	Leo	8½	7 53.24	3,177	80 19 23.5	17,707	229
19996	Leo	9½	7 53.32	3,224	76 12 34.9	17,707	217
19997	Hydra	7	7 53.91	2,947	101 5 0.4	17,707	326
19998	Hydra	9	7 57.30	2,860	108 29 48.1	17,710	283
19999	Hydra	9	7 59.69	2,883	106 32 19.4	17,711	281
20000	Sextans	8	10 8 3.57	+3,067	90 14 51.9	+17,714	227

No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1800.			Annual Preces.	North Polar Distance, Jan. 1, 1800.	Annual Preces.	Page in H.Cel.		
			h	m	s	s	°	'	''		
20001	Hydra	9	10	8	4.06	+2,930	102	32	0.5	+17,714	328
20002	Leo	7		8	4.33	3,282	71	17	48.5	17,715	221
20003	Leo	7		8	4.91	3,282	71	17	49.4	17,715	332
20004	Leo	8½		8	6.35	3,154	82	19	30.2	17,716	226
20005	Sextans	8		8	9.87	3,038	92	53	5.2	17,718	277
20006	Draco.....	8½		8	10.56	5,058	17	30	6.9	17,719	366
20007	Hydra	7		8	11.52	2,805	112	52	49.5	17,719	286
20008	Sextans	8		8	11.78	3,098	87	25	54.3	17,720	325
20009	Leo	8		8	14.87	3,161	81	43	10.2	17,722	226
20010	Hydra	8		8	23.75	2,842	110	1	47.8	17,728	284
20011	Ursa Major ..	8		8	24.67	3,636	47	51	57.2	17,728	8
20012	Leo Minor....	8		8	27.74	3,500	55	26	37.2	17,731	60
20013	Leo Minor....	9		8	31.73	3,499	55	29	55.3	17,733	60
20014	Hydra	7		8	35.65	2,933	102	18	27.6	17,736	328
20015	Leo	7		8	47.34	3,182	79	47	24.8	17,744	223
20016	Leo	7½		8	48.05	3,182	79	47	27.8	17,744	229
20017	Leo	6		8	49.57	3,303	69	31	8.6	17,745	150
20018	Leo	6		8	49.82	3,303	69	31	13.7	17,746	222
20019	Leo	5½		8	49.85	3,303	69	31	9.0	17,746	220
20020	Leo	8		8	50.04	3,180	79	59	51.1	17,746	229
20021	Leo	7½		8	51.18	3,190	79	4	53.0	17,746	219
20022	Leo	7½		8	51.32	3,180	79	59	48.1	17,746	223
20023	Leo γ	3		8	55.08	3,307	69	9	7.6	17,749	212
20024	Leo	9		8	55.20	3,245	74	19	28.1	17,749	222
20025	Leo γ	2		8	55.30	3,307	69	9	3.1	17,749	327
20026	Leo γ	2		8	55.50	3,307	69	9	8.2	17,749	150
20027	Leo γ	2		8	55.60	3,307	69	9	7.6	17,749	220
20028	Leo γ	2		8	55.62	3,307	69	9	8.3	17,749	222
20029	Leo	8		8	59.05	3,183	79	42	51.7	17,752	229
20030	Leo	8		8	59.34	3,183	79	42	51.7	17,752	223
20031	Ursa Major ..	7		9	1.49	3,647	47	9	0.9	17,753	8
20032	Ursa Major ..	6½		9	1.52	3,647	47	9	5.9	17,753	331
20033	Sextans	8		9	14.67	2,979	98	20	7.6	17,762	330
20034	Leo Minor....	8		9	17.79	3,427	60	3	23.9	17,764	62
20035	Leo	9		9	18.87	3,164	81	23	17.9	17,765	226
20036	Leo	9		9	20.37	3,162	81	32	53.2	17,767	226
20037	Sextans	9		9	22.86	3,019	94	38	8.1	17,768	321
20038	Sextans	8		9	23.63	3,078	89	12	39.8	17,768	275
20039	Sextans	8		9	23.92	3,078	89	12	42.0	17,768	227
20040	Hydra	8	10	9	25.54	+2,817	112	11	0.4	+17,770	286

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			h m s	s	° ' "	"	
20041	Hydra	6	10 9 27,57	+2,943	101 31 43,6	+17,771	328
20042	Hydra	5½	9 27,61	2,943	101 31 45,1	17,771	326
20043	Sextans	6½	9 27,67	3,025	94 6 13,7	17,772	321
20044	Sextans	9	9 29,07	3,040	92 42 20,0	17,772	277
20045	Sextans	8	9 31,19	3,024	94 13 38,0	17,773	321
20046	Hydra	9	9 38,47	2,832	110 58 16,9	17,778	284
20047*	Leo	9	9 40,06	3,200	78 7 55,9	17,780	219
20048	Hydra	9	9 40,52	2,817	112 9 57,2	17,780	286
20049	Leo	8	9 41,26	3,174	80 23 20,3	17,780	223
20050	Leo	8	9 41,43	3,174	80 23 19,9	17,780	229
20051	Leo	9	9 43,72	3,175	80 18 3,7	17,782	223
20052	Leo Minor....	7½	9 46,43	3,494	55 31 38,6	17,784	60
20053	Leo Minor....	9	9 47,01	3,494	55 31 37,2	17,784	228
20054*	Leo	7	9 47,28	3,205	77 38 51,2	17,784	219
20055	Leo	9	9 47,88	3,164	81 18 44,8	17,785	226
20056	Hydra	9	9 48,50	2,871	107 47 5,7	17,785	283
20057	Leo	9	9 50,86	3,301	69 27 41,1	17,787	220
20058	Leo	8½	9 51,05	3,301	69 27 41,8	17,787	222
20059	Sextans	6	10 3,71	2,982	98 3 19,8	17,795	330
20060	Sextans	8	10 8,15	3,120	85 22 35,6	17,798	325
20061	Leo	9	10 8,22	3,202	77 55 10,6	17,798	219
20062	Leo Minor....	8	10 8,25	3,419	60 27 36,5	17,798	62
20063	Leo Minor....	9	10 8,56	3,419	60 27 42,2	17,799	53
20064	Leo Minor....	8½	10 12,36	3,577	50 31 20,0	17,801	59
20065	Leo Minor....	9	10 12,70	3,577	50 31 20,9	17,802	57
20066	Ursa Major ..	6	10 14,14	3,629	47 45 39,7	17,802	8
20067	Ursa Major ..	6	10 14,27	3,629	47 45 40,3	17,802	331
20068	Sextans	8	10 18,66	3,131	84 21 10,1	17,806	229
20069	Ursa Major μ	4	10 21,20	3,634	47 29 59,6	17,807	8
20070	Ursa Major μ	3	10 21,72	3,634	47 30 4,9	17,808	216
20071	Ursa Major μ	3	10 21,94	3,634	47 30 1,1	17,808	331
20072*	Ursa Major μ	3	10 22,15	3,634	47 30 3,5	17,807	225
20073	Hydra	7	10 23,09	2,821	111 58 12,7	17,809	286
20074	Hydra	9	10 35,53	2,931	102 47 18,7	17,817	328
20075	Sextans	8	10 36,81	3,014	95 12 2,2	17,818	152
20076	Sextans	6½	10 40,31	3,023	94 22 48,6	17,820	321
20077	Sextans	6½	10 41,70	3,105	86 42 31,0	17,821	325
20078	Sextans	6½	10 41,91	3,105	86 42 34,9	17,821	275
20079	Hydra	7½	10 48,01	2,821	112 6 8,9	17,825	286
20080	Leo	9	10 10 50,71	+3,201	77 55 10,8	+17,827	219

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			^h ^m ^s	^s	[°] ['] ["]	["]	
20081	Leo Minor....	8½	10 10 51.22	+3,601	49 4 16.9	+17,828	225
20082	Leo Minor....	9	10 51.59	3,601	49 4 16.0	17,828	57
20083	Hydra	9	10 52.84	2,871	107 57 35.1	17,828	283
20084	Sextans	7½	10 55.44	2,988	97 33 39.4	17,830	330
20085	Sextans	8	10 57.55	2,973	99 0 22.9	17,832	330
20086	Sextans	6	11 3.12	3,022	94 24 54.6	17,835	321
20087	Leo	6	11 4.04	3,245	74 1 16.2	17,836	222
20088	Sextans	7½	11 7.91	3,078	89 13 6.2	17,839	227
20089	Hydra	7½	11 9.85	2,912	104 29 41.2	17,840	279
20090	Hydra	7½	11 12.42	2,870	108 3 12.7	17,841	283
20091	Sextans	7	11 12.44	2,987	97 42 23.8	17,841	330
20092	Leo	7½	11 16.54	3,196	78 17 49.3	17,844	219
20093	Leo	9½	11 16.82	3,151	82 22 46.7	17,844	226
20094	Leo Minor....	9	11 27.78	3,441	58 39 53.5	17,852	150
20095	Hydra	6½	11 27.99	2,931	102 47 3.8	17,852	328
20096	Leo Minor....	6	11 28.02	3,516	53 46 39.7	17,852	60
20097	Sextans	7	11 28.09	3,039	92 51 24.6	17,852	277
20098	Hydra	6½	11 30.47	2,883	106 58 47.3	17,853	281
20099*	Leo	8	11 30.56	3,362	64 24 3.3	17,854	148
20100	Leo	7½	11 30.57	3,203	77 40 6.5	17,854	219
20101	Leo Minor....	6	11 31.90	3,495	55 5 11.7	17,855	60
20102	Leo Minor....	6	11 32.50	3,495	55 5 48.1	17,855	228
20103	Leo	9	11 32.57	3,364	64 12 59.1	17,855	148
20104	Leo	8	11 36.52	3,274	71 28 47.2	17,857	222
20105	Leo Minor....	7½	11 37.04	3,448	58 9 33.1	17,858	150
20106	Leo	6	11 40.58	3,178	79 56 51.5	17,860	223
20107	Leo	7	11 40.82	3,177	80 1 52.6	17,860	229
20108	Leo	9½	11 41.30	3,147	82 46 47.4	17,861	226
20109	Leo	8½	11 44.37	3,264	72 15 9.7	17,863	332
20110	Sextans	7½	11 49.54	3,072	89 44 49.4	17,866	227
20111	Leo	7	12 0.53	3,248	73 37 41.8	17,874	222
20112	Leo	7½	12 3.90	3,292	69 51 55.9	17,876	220
20113	Leo	7½	12 3.90	3,292	69 51 54.3	17,876	222
20114	Hydra	6	12 4.97	2,816	112 42 25.6	17,876	286
20115	Leo Minor....	9	12 7.64	3,432	59 8 43.0	17,878	62
20116	Leo	9½	12 8.00	3,366	63 59 3.1	17,878	148
20117	Leo	8½	12 12.66	3,386	62 29 31.7	17,881	63
20118	Leo Minor....	8	12 15.24	3,579	49 57 33.0	17,883	57
20119	Leo Minor....	8	12 15.59	3,579	49 57 27.8	17,883	225
20120	Leo Minor....	8	10 12 16.16	+3,579	49 57 28.1	+17,884	59

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			h m s	s	° ' "	"	
20121	Leo Minor....	9	10 12 16.24	+3,580	49 54 34.0	+17,884	57
20122	Leo Minor....	8½	12 16.42	3,580	49 54 34.8	17,884	215
20123	Leo Minor....	8½	12 17.18	3,579	49 54 36.1	17,885	59
20124	Sextans	7½	12 17.76	3,033	93 25 12.1	17,885	321
20125	Leo Minor....	6½	12 19.88	3,428	59 22 39.1	17,886	62
20126	Ursa Major ..	8	12 20.63	3,608	48 21 25.7	17,887	8
20127	Leo Minor....	6½	12 20.68	3,428	59 22 41.6	17,887	53
20128	Hydra	7	12 21.54	2,884	107 1 42.7	17,888	281
20129	Hydra	6½	12 23.98	2,937	102 24 20.3	17,889	328
20130	Sextans	8	12 31.78	3,041	92 44 7.3	17,894	277
20131	Leo	6	12 31.84	3,150	82 26 47.1	17,894	226
20132	Leo Minor....	8	12 31.91	3,496	54 47 57.7	17,894	60
20133	Leo Minor....	6	12 35.93	3,488	55 16 26.0	17,897	60
20134	Leo Minor....	6	12 36.48	3,488	55 16 28.4	17,897	228
20135	Leo	7	12 38.49	3,372	63 25 18.7	17,899	148
20136	Leo	7	12 38.99	3,372	63 25 15.6	17,899	147
20137	Hydra	6	12 39.43	2,863	108 51 36.4	17,899	333
20138	Hydra	6	12 39.47	2,863	108 51 44.1	17,899	283
20139	Leo	9½	12 41.07	3,230	75 5 16.1	17,900	217
20140	Sextans	6½	12 45.56	2,981	98 23 23.1	17,903	330
20141	Leo Minor....	8	12 48.13	3,495	54 48 13.8	17,905	60
20142	Sextans	6	12 50.81	3,140	83 17 46.8	17,907	229
20143	Leo Minor....	9	12 54.37	3,381	62 38 36.0	17,909	63
20144	Leo	9	13 1.27	3,240	74 10 10.7	17,913	212
20145	Hydra	8½	13 7.47	2,961	100 16 29.8	17,918	326
20146	Leo Minor....	9	13 7.79	3,576	49 54 49.9	17,918	225
20147	Leo Minor....	8½	13 9.12	3,576	49 54 42.3	17,919	59
20148	Hydra	8½	13 11.06	2,869	108 25 40.6	17,920	333
20149	Ursa Major ..	8	13 13.34	3,644	46 16 20.4	17,921	331
20150	Sextans	6	13 13.63	3,071	89 53 38.6	17,922	275
20151	Sextans	6½	13 13.68	3,071	89 53 36.0	17,922	227
20152	Ursa Major ..	9	13 16.04	3,885	36 22 2.6	17,923	382
20153	Sextans	9	13 17.10	2,999	96 46 5.0	17,924	152
20154	Sextans	6	13 19.70	3,037	93 4 1.3	17,925	277
20155	Sextans	8	13 24.21	3,108	86 21 34.7	17,929	325
20156	Sextans	6½	13 24.82	3,042	92 38 8.3	17,929	277
20157	Sextans	9	13 26.21	3,108	86 20 34.6	17,930	325
20158	Hydra	6½	13 30.82	2,938	102 22 14.2	17,933	328
20159	Sextans	7	13 33.29	3,029	93 55 3.5	17,935	321
20160	Hydra	6½	10 13 34.99	+2,811	113 19 33.4	+17,936	286

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			h m s	s	° ' "	"	
20161	Leo Minor....	8	10 13 37.54	+3.435	58° 36' 51.7"	+17.937	150
20162	Sextans	7	13 38.38	3.056	91 16 8.7	17.938	227
20163	Hydra	8½	13 38.56	2.849	110 16 23.3	17.938	284
20164	Leo	8	13 42.96	3.192	78 24 12.9	17.941	219
20165	Leo	9	13 43.16	3.275	71 4 26.5	17.941	220
20166	Leo	9	13 43.16	3.275	71 4 25.6	17.941	220
20167	Hydra	8	13 46.15	2.948	101 29 0.7	17.943	328
20168	Ursa Major ..	8	13 47.38	3.606	48 4 38.9	17.944	8
20169	Leo Minor....	7	13 51.66	3.523	52 47 4.2	17.947	56
20170	Sextans	6	13 52.52	3.105	86 37 23.2	17.947	325
20171	Sextans	6½	14 5.38	3.105	86 35 53.1	17.956	325
20172	Hydra	8	14 6.02	2.862	109 13 49.5	17.956	284
20173	Hydra	8	14 6.19	2.862	109 13 44.6	17.956	283
20174	Hydra	8	14 6.38	2.862	109 13 48.7	17.956	333
20175	Hydra	9	14 10.07	2.940	102 18 49.1	17.958	329
20176	Hydra	8	14 11.96	2.823	112 27 30.6	17.960	286
20177	Leo Minor....	7½	14 13.56	3.574	49 43 20.9	17.961	225
20178	Leo Minor....	8½	14 13.66	3.468	56 13 38.3	17.961	228
20179	Leo Minor....	7½	14 13.86	3.574	49 43 17.2	17.961	57
20180	Leo Minor....	7½	14 14.67	3.574	49 43 18.3	17.961	59
20181	Leo	8½	14 18.06	3.215	76 15 40.0	17.964	217
20182	Leo	8	14 19.96	3.269	71 27 48.9	17.965	332
20183	Leo	8	14 20.13	3.198	77 49 57.1	17.965	219
20184	Leo Minor....	6	14 24.02	3.483	55 11 24.5	17.968	60
20185	Sextans	8½	14 24.44	3.001	96 34 41.8	17.968	152
20186	Leo Minor....	4½	14 24.51	3.483	55 11 24.5	17.968	228
20187	Leo Minor....	5½	14 24.58	3.483	55 11 26.0	17.968	210
20188	Sextans	8	14 32.22	3.072	89 46 49.0	17.973	227
20189	Hydra	9	14 33.27	2.895	106 25 26.8	17.973	281
20190	Leo	9	14 36.66	3.335	65 53 11.3	17.976	150
20191	Leo	6	14 41.96	3.172	80 12 11.3	17.979	223
20192	Leo	5½	14 41.98	3.172	80 12 12.4	17.979	219
20193	Leo	7½	14 48.71	3.197	77 49 57.1	17.984	219
20194	Leo Minor....	8	14 50.04	3.520	52 45 37.4	17.985	56
20195	Ursa Major ..	9	14 54.23	3.907	35 15 32.1	17.987	382
20196	Sextans	8	14 57.18	3.141	83 7 23.4	17.989	226
20197	Hydra	8	14 59.94	2.876	108 4 51.3	17.991	283
20198	Hydra	8	15 0.07	2.876	108 5 1.7	17.991	333
20199	Sextans	8	15 0.11	2.978	98 46 58.5	17.991	330
20200	Leo	7½	10 15 2.03	+3.172	80 12 49.4	+17.992	229

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			h m s	s	° ' "	"	
20201	Leo	7½	10 15 2,29	+3,172	80 12 47.4	+17,992	223
20202	Leo	7	15 7,56	3,354	64 16 24,9	17,996	148
20203	Leo	7½	15 7,97	3,354	64 16 24,4	17,996	64
20204	Hydra	8	15 9,07	2,882	107 38 5,9	17,997	333
20205	Sextans	8	15 9,40	3,127	84 25 7,0	17,997	229
20206	Hydra	9	15 12,08	2,849	110 31 8,3	17,999	284
20207	Leo	9	15 14,51	3,300	68 42 36,9	18,000	327
20208	Sextans	8	15 16,82	3,054	91 28 20,7	18,002	277
20209	Leo Minor....	8	15 22,86	3,521	52 33 22,2	18,006	56
20210	Leo	8½	15 24,11	3,218	75 49 58,5	18,007	217
20211	Leo	8½	15 25,71	3,238	74 5 16,0	18,007	222
20212	Leo Minor....	8	15 29,04	3,377	62 27 50,5	18,009	63
20213	Leo	8½	15 32,74	3,163	80 56 58,5	18,012	229
20214	Ursa Major ..	6	15 32,96	3,611	47 22 55,2	18,012	331
20215	Ursa Major ..	6	15 34,13	3,611	47 22 53,9	18,013	8
20216	Sextans	6½	15 37,68	3,110	86 3 32,2	18,015	325
20217	Hydra	9	15 38,55	2,923	104 1 12,3	18,016	279
20218	Leo Minor....	8	15 40,93	3,419	59 18 40,6	18,017	150
20219	Leo Minor....	8	15 41,00	3,419	59 18 40,9	18,017	62
20220	Leo Minor....	8½	15 41,41	3,419	59 18 42,2	18,017	54
20221	Hydra	8	15 41,61	2,870	108 47 26,1	18,018	283
20222	Sextans	6	15 44,49	3,007	96 3 20,6	18,020	152
20223	Leo Minor....	8	15 5,05	3,378	62 20 31,4	18,020	63
20224	Sextans	6	15 45,77	3,120	85 3 18,2	18,020	229
20225	Sextans	6½	15 46,35	3,120	85 3 19,3	18,021	325
20226	Leo Minor....	8	15 47,69	3,569	49 39 8,1	18,022	225
20227	Leo Minor....	8	15 48,08	3,569	49 39 11,6	18,022	57
20228	Leo	9	15 48,57	3,230	74 44 19,7	18,022	222
20229	Leo Minor....	8	15 48,65	3,569	49 39 9,8	18,022	59
20230	Leo	7½	15 49,26	3,356	64 2 23,3	18,022	64
20231	Leo	7½	15 49,27	3,356	64 2 21,7	18,022	148
20232	Leo	7	15 49,58	3,189	78 28 53,3	18,023	219
20233	Ursa Major ..	7	15 50,36	3,603	47 45 2,3	18,023	8
20234	Leo	7½	15 55,73	3,263	71 45 53,3	18,026	332
20235	Ursa Major ..	8½	15 58,58	3,636	46 0 17,2	18,029	331
20236	Leo	6½	15 59,00	3,287	69 37 20,9	18,029	222
20237	Leo	8	15 59,29	3,289	69 28 23,1	18,029	220
20238	Leo	8	15 59,52	3,210	76 29 56,5	18,029	217
20239	Hydra	6½	16 0,75	2,873	108 35 14,7	18,030	283
20240	Hydra	7	10 16 0,80	+2,872	108 35 20,0	+18,030	333

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20241	Leo	7½	10 16 1,34	+3,300	68 33 8,7	+18,030	327
20242	Hydra	7½	16 3,41	2,944	102 7 23,4	18,031	329
20243	Hydra	8	16 4,60	2,845	110 56 28,7	18,032	284
20244	Leo Minor....	8½	16 5,49	3,466	55 56 44,3	18,033	228
20245	Leo	8	16 6,67	3,289	69 28 24,7	18,033	222
20246	Leo	6½	16 6,70	3,287	69 37 23,2	18,033	220
20247	Sextans	8	16 7,12	3,039	93 2 19,6	18,034	277
20248	Sextans	8	16 13,26	3,142	82 56 8,4	18,038	226
20249	Sextans	7½	16 15,45	3,014	95 24 54,0	18,039	152
20250	Hydra	7½	16 15,83	2,865	109 18 47,3	18,039	286
20251	Leo Minor....	4½	16 16,51	3,522	52 16 23,3	18,040	56
20252	Hydra	9	16 17,36	2,906	105 37 40,6	18,041	281
20253	Leo	8½	16 17,95	3,292	69 9 45,7	18,041	220
20254	Leo	8	16 22,25	3,313	67 22 14,0	18,043	150
20255	Sextans	6	16 23,93	3,070	89 58 31,7	18,045	227
20256	Sextans	6½	16 24,10	3,070	89 58 29,1	18,045	275
20257	Hydra μ	4	16 25,16	2,904	105 49 11,7	18,046	281
20258	Ursa Major ..	6½	16 29,76	3,679	43 46 19,8	18,048	352
20259	Hydra	8½	16 32,03	2,956	101 3 51,0	18,050	326
20260	Leo	7	16 34,95	3,197	77 40 13,2	18,052	219
20261	Leo	8	16 36,41	3,209	76 32 24,6	18,053	217
20262	Sextans	7½	16 38,59	3,078	89 7 59,4	18,054	275
20263	Sextans	6	16 40,48	3,035	93 22 29,4	18,055	277
20264	Sextans	6	16 40,67	3,035	93 22 31,2	18,055	321
20265	Hydra	8½	16 45,58	2,858	109 58 59,5	18,058	284
20266	Leo	8	16 46,51	3,295	51 51 30,1	18,059	327
20267	Sextans	8½	17 1,09	3,034	93 33 31,7	18,068	321
20268	Sextans	8	17 1,14	3,119	85 8 9,5	18,068	229
20269	Hydra	8½	17 3,37	2,865	109 26 25,5	18,070	284
20270	Leo Minor....	9	17 3,81	3,520	52 12 43,4	18,070	56
20271	Leo	6	17 4,29	3,180	79 13 23,3	18,070	223
20272	Leo	6	17 4,31	3,180	79 13 23,6	18,070	219
20273	Leo	6	17 4,35	3,180	79 13 20,3	18,070	225
20274	Leo	6	17 4,50	3,180	79 13 21,3	18,070	229
20275	Leo	8	17 5,94	3,276	70 23 35,2	18,071	220
20276	Leo	7½	17 6,18	3,276	70 23 32,8	18,071	222
20277	Sextans	7½	17 6,64	2,986	98 12 27,8	18,072	330
20278	Sextans	6½	17 9,59	3,116	85 25 11,1	18,074	325
20279	Sextans	7	17 9,69	3,116	85 25 9,9	18,074	229
20280	Leo Minor....	8	10 17 20,32	+3,489	54 5 35,3	+18,081	60

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20281	Sextans	8	10 17 21.57	+3,070	89 56 51.7	+18,081	227
20282	Sextans	8	17 21.65	2,987	98 7 34.5	18,081	330
20283	Sextans	8½	17 22.79	3,001	96 47 16.1	18,082	152
20284	Leo	8	17 24.95	3,165	80 40 7.4	18,083	229
20285	Leo	8	17 25.23	3,279	70 4 15.6	18,083	222
20286	Leo	8	17 25.30	3,279	70 4 14.9	18,083	220
20287	Leo Minor....	8	17 26.34	3,488	54 7 4.3	18,085	60
20288	Sextans	8½	17 28.07	3,035	93 25 14.4	18,086	321
20289	Hydra	8	17 29.70	2,890	107 14 27.6	18,086	281
20290	Hydra	8	17 30.06	2,890	107 14 38.7	18,087	333
20291	Leo Minor....	7½	17 33.41	3,376	62 3 33.6	18,089	63
20292	Leo	8½	17 39.06	3,143	82 42 56.3	18,092	226
20293	Leo Minor....	6½	17 42.90	3,413	59 15 16.0	18,095	150
20294	Sextans	7	17 43.75	3,113	85 40 1.6	18,095	325
20295	Leo Minor....	9	17 44.34	3,459	56 = 31.5	18,095	228
20296	Leo Minor....	7½	17 46.35	3,413	59 15 15.6	18,095	54
20297	Hydra	7½	17 46.46	2,890	107 16 14.8	18,097	281
20298	Hydra	6½	17 46.54	2,890	107 16 14.9	18,097	333
20299	Sextans	8	17 46.79	3,053	91 41 50.5	18,097	277
20300	Ursa Major ..	8	17 49.70	3,685	43 7 44.8	18,099	352
20301	Ursa Major ..	7½	17 49.72	3,685	43 7 42.4	18,099	353
20302	Leo	7½	17 51.26	3,197	77 29 37.2	18,100	219
20303	Leo	7	17 54.86	3,259	71 50 59.5	18,102	332
20304	Leo	7	18 1.80	3,216	75 41 38.7	18,107	217
20305	Sextans	8½	18 4.13	3,031	93 48 22.5	18,108	321
20306	Leo	8	18 5.16	3,269	70 53 44.9	18,109	220
20307	Leo	6½	18 6.03	3,228	74 38 20.0	18,109	222
20308	Hydra	8½	18 6.73	2,917	104 54 1.7	18,110	279
20309	Leo Minor....	9	18 6.88	3,411	59 18 0.0	18,110	150
20310	Leo Minor....	9	18 13.58	3,485	54 9 14.6	18,114	60
20311	Ursa Major ..	7	18 15.48	3,578	48 30 35.4	18,115	8
20312	Leo	8½	18 21.78	3,177	79 24 55.7	18,119	223
20313	Leo Minor....	7	18 22.86	3,550	50 3 19.4	18,120	57
20314	Hydra	9	18 23.18	2,853	110 43 6.4	18,120	284
20315	Hydra	9	18 27.68	2,853	110 41 6.1	18,123	284
20316	Hydra	8	18 31.26	2,913	105 16 38.5	18,125	279
20317	Leo Minor....	8½	18 31.77	3,395	60 25 31.5	18,125	62
20318	Leo	8	18 31.95	3,337	65 0 40.8	18,126	64
20319	Sextans	7	18 32.30	2,980	98 51 49.9	18,126	330
20320	Sextans	6	10 18 35.83	+3,042	92 43 27.1	+18,128	277

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			h m s	s	° ' "	"	
20321	Leo	7½	10 18 36.46	+3,183	78° 49' 29.0	+18,128	225
20322	Leo	7	18 36.50	3,183	78 49 30.2	18,128	219
20323	Sextans	7	18 37.66	3,106	86 19 58.0	18,129	325
20324	Leo Minor....	7½	18 38.32	3,395	60 24 5.0	18,129	54
20325	Leo Minor....	7	18 38.33	3,395	60 23 58.5	18,129	62
20326	Leo	8½	18 38.93	3,158	81 11 2.3	18,130	229
20327	Leo	8	18 39.17	3,158	81 10 58.3	18,130	223
20328	Leo	8½	18 39.31	3,158	81 11 1.0	18,130	226
20329	Leo	8	18 45.18	3,159	81 4 13.2	18,134	223
20330	Leo	8	18 45.32	3,159	81 4 21.9	18,134	226
20331	Leo	8½	18 45.42	3,159	81 4 14.2	18,134	229
20332	Leo Minor....	7½	18 46.09	3,385	61 9 18.2	18,134	63
20333	Leo	7	18 47.76	3,204	76 47 41.3	18,135	217
20334	Hydra	9½	18 47.97	2,915	105 8 18.0	18,136	279
20335	Leo	7½	18 54.25	3,143	82 43 29.5	18,139	226
20336	Leo	9	18 55.68	3,255	72 0 8.8	18,140	332
20337	Sextans	8½	18 57.68	3,108	86 9 50.6	18,141	325
20338	Hydra	6	18 59.56	2,879	108 30 22.7	18,143	333
20339	Leo Minor....	7½	19 1.47	3,505	52 42 12.2	18,144	56
20340	Leo Minor....	8	19 9.58	3,357	61 38 39.6	18,149	63
20341	Hydra	8	19 15.94	2,955	101 25 2.8	18,153	329
20342	Leo	8½	19 16.28	3,160	80 56 6.1	18,153	229
20343	Sextans	5	19 18.89	3,053	91 43 10.8	18,155	277
20344	Sextans	5	19 19.05	3,053	91 43 7.8	18,155	227
20345	Leo Minor....	7½	19 19.20	3,548	49 57 25.5	18,155	57
20346	Ursa Major ..	9	19 19.22	3,572	48 32 33.7	18,155	8
20347	Leo	8	19 20.05	3,160	80 56 2.1	18,156	223
20348	Leo	8½	19 21.08	3,306	67 24 40.7	18,156	150
20349	Ursa Major ..	9	19 21.29	3,699	42 6 15.9	18,156	353
20350	Leo Minor....	8½	19 24.49	3,452	56 3 11.9	18,158	228
20351	Sextans	7	19 26.08	3,095	87 28 55.4	18,159	275
20352	Hydra	8½	19 29.82	2,849	111 14 3.3	18,162	286
20353	Sextans	8½	19 36.14	2,989	98 6 26.7	18,165	330
20354	Sextans	8½	19 36.66	3,110	85 54 41.1	18,166	325
20355	Ursa Major ..	7	19 37.39	3,623	45 42 53.1	18,166	331
20356	Sextans	8	19 42.27	3,041	92 53 38.6	18,169	277
20357	Leo	7½	19 59.41	3,150	81 55 14.3	18,180	226
20358	Sextans	5	20 3.48	3,073	89 36 54.5	18,182	227
20359	Sextans	5	20 3.68	3,073	89 36 50.7	18,182	275
20360	Sextans	8½	10 20 4.02	+3,043	92 40 33.1	+18,182	277

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			h m s	s	° ' "	"	
20361	Hydra	7½	10 20 6,82	+2,850	111 13 37,2	+18,184	286
20362	Hydra	7½	20 7,11	2,850	111 13 35,3	18,185	284
20363	Leo .....	.	20 9,72	3,312	66 45 13,1	18,186	150
20364	Ursa Major ..	9	20 9,80	3,864	35 23 25,8	18,186	382
20365	Ursa Major ..	9	20 9,99	3,864	35 23 19,9	18,186	354
20366	Hydra	7	20 10,62	2,853	111 1 32,9	18,187	286
20367	Sextans	6½	20 10,65	3,101	86 49 36,6	18,187	325
20368	Leo	8	20 10,73	3,333	64 58 21,2	18,187	64
20369	Hydra	7	20 11,15	2,853	111 1 35,8	18,187	284
20370	Hydra	8½	20 15,56	2,887	107 54 59,0	18,189	333
20371	Leo Minor	8	20 18,91	3,423	57 56 15,2	18,191	150
20372	Leo Minor	4½	20 27,75	3,441	56 35 55,1	18,197	210
20373	Leo Minor	5½	20 28,06	3,441	56 35 53,4	18,197	228
20374	Ursa Major ..	7½	20 29,49	3,636	44 47 44,4	18,198	331
20375	Ursa Major ..	8	20 30,12	3,636	44 47 42,2	18,199	352
20376	Sextans	7½	20 35,87	3,133	83 33 6,4	18,202	229
20377	Sextans	7½	20 38,22	2,973	99 47 10,7	18,204	326
20378	Leo Minor	9	20 41,39	3,418	58 12 47,5	18,205	150
20379	Leo	7½	20 41,91	3,333	64 53 36,2	18,206	64
20380	Leo Minor	8½	20 43,76	3,404	59 14 37,4	18,207	54
20381	Leo	8½	20 47,41	3,179	78 55 36,6	18,209	219
20382	Leo	8	20 56,68	3,191	77 48 27,0	18,215	219
20383	Sextans	6½	20 58,09	3,005	96 36 57,3	18,216	152
20384	Leo	8½	21 0,57	3,308	66 56 15,5	18,217	150
20385	Leo	9	21 0,87	3,308	66 56 28,4	18,217	150
20386	Ursa Major ..	7	21 4,80	3,855	35 28 36,4	18,220	382
20387	Ursa Major ..	7	21 5,35	3,854	35 28 38,3	18,220	354
20388	Sextans	6	21 5,97	3,107	86 7 50,6	18,221	325
20389	Hydra	6	21 10,43	2,945	102 33 59,6	18,223	329
20390	Hydra	7½	21 11,50	2,964	100 44 17,1	18,224	326
20391	Leo	7½	21 13,89	3,336	64 32 5,0	18,226	64
20392	Leo	8	21 15,25	3,262	70 59 7,0	18,226	222
20393	Leo	8	21 15,31	3,262	70 59 6,5	18,226	220
20394	Leo	7½	21 16,27	3,262	70 59 9,7	18,227	332
20395	Sextans	9	21 18,08	3,043	92 43 15,4	18,228	277
20396	Leo Minor	7½	21 21,91	3,542	49 45 13,8	18,230	57
20397	Sextans	8	21 23,80	3,052	91 50 42,3	18,231	277
20398	Ursa Major ..	9	21 24,80	3,585	47 14 31,2	18,232	331
20399	Sextans	8	21 26,94	3,128	84 2 24,4	18,234	229
20400	Leo	10 21 30,47	+3,221	74 50 22,8	+18,236	222

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20401	Ursa Major ..	5	10 21 30,97	+3,562	48 32 55,3	+18,236	8
20402	Leo	8	21 35,94	3,172	79 33 12,6	18,239	229
20403	Leo	8	21 35,99	3,172	79 33 11,4	18,239	223
20404	Hydra	8	21 36,59	2,832	113 9 18,1	18,239	286
20405	Leo Minor	8½	21 36,87	3,357	62 41 18,1	18,239	63
20406	Leo	8	21 38,22	3,208	76 3 21,7	18,240	217
20407	Leo Minor	9	21 39,73	3,515	51 17 52,5	18,241	56
20408	Sextans	7½	21 46,28	2,992	97 55 37,2	18,245	330
20409	Hydra	8	21 50,60	2,910	106 3 8,6	18,248	281
20410	Hydra	7	21 51,43	2,933	103 51 40,2	18,248	279
20411	Leo Minor	9	21 51,55	3,414	58 12 53,6	18,248	150
20412	Sextans	6½	21 54,60	3,125	84 19 58,9	18,250	229
20413	Sextans	8	21 56,77	3,054	91 37 52,8	18,252	277
20414	Leo Minor	6	22 2,12	3,473	53 59 11,2	18,255	60
20415*	Leo Minor	8½	22 5,00	3,374	61 11 45,0	18,256	63
20416	Sextans	6½	22 6,90	2,968	100 23 49,0	18,258	326
20417	Leo	8	22 11,57	3,341	63 50 56,6	18,260	64
20418	Leo	9	22 12,71	3,278	69 24 30,4	18,261	222
20419	Sextans	8	22 14,16	3,000	97 10 13,9	18,262	330
20420	Sextans	9	22 14,74	3,000	97 10 15,1	18,262	152
20421	Leo..... ρ	4	22 15,59	3,171	79 40 2,6	18,263	217
20422	Leo..... ρ	4	22 15,68	3,171	79 40 0,9	18,263	219
20423	Leo..... ρ	4	22 16,06	3,171	79 40 4,8	18,263	229
20424	Leo..... ρ	4	22 16,08	3,171	79 40 1,5	18,263	222
20425	Leo..... ρ	4	22 16,09	3,171	79 40 0,7	18,263	225
20426	Leo..... ρ	4	22 16,27	3,171	79 40 3,3	18,263	226
20427	Leo..... ρ	4	22 16,27	3,171	79 40 2,7	18,263	223
20428	Sextans	6½	22 24,07	3,021	95 2 56,2	18,268	321
20429	Sextans	8	22 25,94	3,039	93 9 39,6	18,269	277
20430	Hydra	9	22 43,07	2,890	108 1 38,0	18,279	333
20431	Leo	9	22 47,07	3,227	74 4 42,9	18,282	222
20432	Leo	7½	22 47,41	3,313	65 37 22,5	18,282	150
20433	Ursa Major ..	9	22 53,13	3,849	35 11 56,3	18,285	382
20434	Ursa Major ..	9	22 53,58	3,849	35 12 0,7	18,286	354
20435	Hydra	8	22 55,20	2,841	112 34 38,9	18,287	286
20436	Leo	8½	22 55,44	3,148	81 53 25,7	18,287	226
20437	Leo	7	22 57,84	3,284	68 40 9,1	18,288	327
20438	Hydra ρ ¹	7½	22 58,08	2,913	105 55 38,2	18,289	281
20439	Hydra	8	23 3,02	2,889	108 10 17,9	18,291	333
20440	Leo Minor	9	10 23 10,86	+3,422	57 17 30,2	+18,296	228

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20441	Leo Minor....	.	10 23 10.89	+3,422	57 17 36.0	+18,296	150
20442	Leo	8	23 12.22	3,163	80 23 7.4	18,297	223
20443	Sextans	6½	23 12.60	3,028	94 19 42.3	18,297	321
20444	Ursa Major ..	8	23 15.06	3,579	47 6 6.1	18,299	331
20445	Hydra	8½	23 18.44	2,936	103 43 38.7	18,301	279
20446	Sextans	8½	23 19.11	2,989	98 20 36.6	18,301	330
20447	Ursa Major ..	6½	23 19.43	3,579	47 3 44.8	18,301	8
20448	Ursa Major ..	6½	23 19.58	3,579	47 3 48.0	18,301	331
20449	Ursa Major ..	6	23 20.24	3,579	47 3 44.6	18,302	7
20450	Hydra	6½	23 21.88	2,950	102 22 2.9	18,302	329
20451	Leo	7½	23 28.03	3,297	67 22 42.3	18,306	150
20452	Leo	8½	23 29.25	3,200	76 35 47.7	18,307	217
20453	Ursa Major ..	7½	23 29.41	3,649	43 18 59.8	18,307	352
20454	Leo	9	23 30.95	3,143	82 20 31.5	18,308	226
20455	Leo Minor....	9½	23 34.15	3,481	53 2 3.5	18,310	56
20456	Sextans	8	23 35.69	3,105	86 20 54.1	18,311	325
20457	Leo Minor....	7½	23 36.54	3,372	61 0 18.2	18,312	62
20458	Leo Minor....	8	23 36.88	3,372	61 0 21.7	18,312	54
20459	Leo Minor....	9½	23 37.06	3,478	53 12 15.6	18,312	56
20460	Leo Minor....	7½	23 37.31	3,350	62 48 33.7	18,312	63
20461*	Ursa Major ..	8½	23 42.83	3,577	47 3 48.1	18,315	331
20462	Ursa Major ..	8	23 49.18	3,796	36 51 44.5	18,319	382
20463	Sextans	9	23 56.18	3,106	86 11 58.0	18,323	325
20464	Sextans	7	23 58.44	2,985	98 52 17.3	18,323	330
20465	Leo Minor....	8½	24 9.09	3,420	57 11 32.3	18,331	228
20466	Leo Minor....	8	24 9.26	3,420	57 11 41.0	18,331	150
20467	Sextans	8½	24 11.01	3,044	92 40 3.6	18,332	277
20468	Hydra	9	24 11.61	2,906	106 47 58.1	18,332	281
20469	Leo Minor....	8½	24 14.24	3,518	50 26 25.9	18,334	57
20470	Sextans	8	24 15.52	2,972	100 14 42.6	18,335	326
20471	Leo	9	24 15.67	3,196	76 51 30.2	18,335	217
20472	Sextans	7	24 15.75	3,096	87 12 20.9	18,335	325
20473	Leo	6	24 21.54	3,146	82 1 14.2	18,338	226
20474	Leo	7½	24 23.21	3,293	67 35 20.1	18,339	327
20475	Leo	8	24 23.73	3,293	67 35 17.6	18,339	150
20476	Hydra	5½	24 30.92	2,843	112 43 2.4	18,343	286
20477	Sextans	9	24 31.52	2,972	100 14 6.5	18,344	326
20478	Leo	6	24 31.54	3,162	80 19 14.9	18,344	225
20479	Leo	6	24 31.72	3,162	80 19 13.0	18,344	223
20480	Leo	6	10 24 31.89	+3,162	80 19 11.0	+18,344	229

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20481	Leo Minor....	9½	10 24 33,62	+3,418	57 11 38,1	+18,345	150
20482	Sextans	8	24 41,47	2,973	100 5 42,1	18,350	326
20483	Sextans	6	24 41,76	3,043	92 51 38,1	18,350	277
20484	Sextans	6	24 46,94	3,100	86 45 59,1	18,353	325
20485	Leo Minor....	8½	24 55,23	3,464	53 50 33,7	18,358	60
20486	Leo Minor....	8½	24 56,88	3,460	54 4 6,9	18,359	60
20487	Leo	8½	25 5,54	3,256	70 55 14,6	18,364	222
20488	Leo	8½	25 5,70	3,256	70 55 12,8	18,364	220
20489	Hydra	7½	25 8,64	2,861	111 10 24,4	18,366	284
20490	Leo Minor....	8½	25 18,00	3,471	53 12 47,0	18,371	56
20491	Sextans	6½	25 20,24	3,029	94 19 55,5	18,373	321
20492	Leo	8½	25 22,39	3,262	70 18 56,8	18,374	222
20493	Leo	8	25 22,40	3,262	70 18 54,2	18,374	220
20494	Leo	8	25 24,05	3,233	73 5 8,2	18,375	332
20495	Hydra	6½	25 26,89	2,851	112 8 38,3	18,376	286
20496	Hydra	6½	25 30,66	2,957	101 49 30,9	18,379	329
20497	Leo	7	25 30,74	3,191	77 16 16,0	18,379	219
20498	Leo	8	25 33,45	3,212	75 9 21,9	18,380	217
20499	Leo	7½	25 33,90	3,212	75 9 22,6	18,381	222
20500	Hydra	8½	25 35,96	2,914	106 9 52,7	18,382	281
20501	Leo	8	25 37,23	3,146	81 55 38,2	18,382	226
20502	Leo Minor....	9	25 37,44	3,364	61 11 15,8	18,383	62
20503	Leo Minor....	9	25 37,50	3,364	61 11 19,3	18,383	54
20504	Leo	8½	25 38,92	3,170	79 20 35,7	18,384	223
20505	Leo	8½	25 38,92	3,170	79 21 37,8	18,384	229
20506	Sextans	7½	25 41,60	3,105	86 13 18,1	18,385	325
20507	Leo Minor....	8½	25 42,75	3,345	62 47 32,1	18,386	63
20508	Hydra	7	25 46,52	2,956	101 58 12,5	18,388	329
20509	Leo	8½	25 48,84	3,234	72 55 52,0	18,389	332
20510	Leo	8½	25 49,46	3,292	67 21 28,7	18,390	150
20511	Sextans	8	25 50,89	2,999	97 29 57,2	18,390	330
20512	Leo	9½	25 51,25	3,142	82 19 40,9	18,391	226
20513	Hydra	7	25 54,26	2,947	102 55 27,3	18,392	329
20514	Hydra	6	25 57,47	2,901	107 32 21,1	18,394	333
20515	Leo	8	26 5,46	3,213	74 55 11,4	18,399	222
20516	Leo	9	26 6,38	3,183	77 56 27,9	18,400	219
20517	Leo Minor....	9	26 7,04	3,454	54 12 24,3	18,400	60
20518	Hydra	8	26 8,90	2,913	106 20 28,7	18,401	281
20519	Leo Minor....	8½	26 10,03	3,411	57 19 40,5	18,402	151
20520	Leo	8	10 26 20,32	+3,330	63 53 3,5	+18,408	65

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20521	Sextans	6½	10 26 20,50	+2,980	99 32 58,2	+18,408	326
20522	Leo	8	26 23,37	3,201	76 5 56,4	18,409	217
20523	Ursa Major ..	8	26 28,04	3,539	48 31 42,6	18,412	8
20524	Leo Minor....	7	26 28,88	3,443	54 53 14,8	18,412	228
20525	Hydra φ ²	6	26 31,12	2,924	105 18 46,6	18,414	279
20526	Hydra φ ³	6½	26 31,60	2,924	105 18 48,2	18,414	281
20527	Ursa Major ..	6	26 35,39	3,819	35 17 31,4	18,416	382
20528	Ursa Major ..	6	26 35,80	3,819	35 17 34,1	18,417	354
20529	Leo	8	26 40,88	3,167	79 35 26,3	18,420	229
20530	Hydra	8	26 42,40	2,949	102 48 42,0	18,420	329
20531	Sextans	8	26 43,10	2,998	97 40 33,7	18,421	330
20532	Leo Minor....	9	26 45,56	3,453	54 5 57,3	18,422	60
20533	Leo	8½	26 47,50	3,256	70 36 37,4	18,423	222
20534	Sextans	9	26 51,97	3,007	96 45 0,0	18,426	152
20535	Hydra	8	26 53,98	2,947	103 2 20,9	18,427	329
20536	Leo	9½	26 56,72	3,195	76 36 38,2	18,429	217
20537	Ursa Major ..	8½	26 58,06	3,534	48 38 35,7	18,429	8
20538	Hydra	8½	26 58,34	2,953	102 30 28,7	18,429	329
20539	Sextans	6½	27 1,45	2,997	97 48 14,1	18,431	330
20540	Leo	7½	27 2,12	3,244	71 41 8,7	18,432	332
20541	Leo Minor....	8	27 2,39	3,346	62 21 18,0	18,432	63
20542	Leo Minor....	9	27 3,44	3,413	56 57 23,5	18,432	228
20543	Leo	9	27 5,10	3,295	66 53 32,5	18,434	150
20544	Leo Minor....	9	27 6,71	3,381	59 27 47,6	18,434	62
20545	Sextans	6	27 17,27	2,970	100 42 47,4	18,440	326
20546	Hydra	7½	27 18,22	2,861	111 37 48,9	18,441	286
20547	Leo Minor....	8½	27 24,14	3,485	51 41 42,1	18,444	56
20548	Leo Minor....	8	27 25,00	3,337	63 2 59,1	18,445	65
20549	Leo Minor....	8	27 25,10	3,337	63 2 57,7	18,445	63
20550	Leo Minor....	3	27 25,69	3,411	56 59 22,3	18,445	210
20551	Leo Minor....	4½	27 25,72	3,411	56 59 25,4	18,446	151
20552	Leo Minor....	3½	27 25,88	3,411	56 59 23,5	18,446	228
20553	Sextans	9	27 32,60	3,043	92 51 10,5	18,449	277
20554	Leo Minor....	6	27 38,68	3,494	51 3 6,1	18,453	57
20555	Sextans	8½	27 39,59	2,990	98 41 0,0	18,453	330
20556	Hydra	5½	27 40,55	2,955	102 20 58,2	18,454	329
20557	Leo	8½	27 41,77	3,267	69 20 39,0	18,455	222
20558	Leo	8	27 44,36	3,164	79 45 50,7	18,456	229
20559	Leo	8	27 46,12	3,210	75 0 48,7	18,457	222
20560	Leo	8	10 27 54,14	+3,164	79 45 51,6	+18,462	223

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			h m s	s	° ' "	"	
20561	Leo Minor	8	10 27 57.19	+3,335	63 3 48.8	+18,463	63
20562	Leo Minor	8½	27 57.41	3,334	63 11 47.3	18,463	65
20563	Sextans	9	27 58.77	3,061	90 56 17.4	18,464	227
20564	Sextans	8½	28 0.30	3,090	87 43 15.7	18,465	275
20565	Hydra	9	28 2.08	2,887	109 15 46.7	18,466	284
20566	Sextans	7½	28 2.19	3,133	83 2 58.3	18,466	226
20567	Sextans	7½	28 2.42	2,973	100 28 27.6	18,466	326
20568	Leo	8	28 3.43	3,210	74 56 38.7	18,467	222
20569	Hydra	8	28 3.99	2,855	112 20 44.4	18,467	286
20570	Leo	6½	28 9.37	3,231	72 50 8.0	18,470	332
20571	Leo	8½	28 10.80	3,198	76 11 58.8	18,471	217
20572	Sextans	8	28 11.53	2,976	100 10 50.6	18,471	326
20573	Leo	9	28 14.90	3,229	72 58 56.1	18,474	332
20574	Sextans	7	28 17.80	3,131	83 13 44.6	18,475	226
20575	Leo Minor	7	28 18.56	3,490	51 7 13.4	18,475	57
20576	Sextans	8	28 20.62	3,060	91 5 52.7	18,477	227
20577	Leo	8½	28 25.23	3,287	67 21 19.0	18,479	327
20578	Leo	8	28 26.55	3,293	66 45 57.5	18,480	150
20579	Sextans	9	28 27.23	3,056	91 27 57.0	18,480	277
20580	Leo Minor	8	28 35.29	3,342	62 19 28.4	18,485	63
20581	Ursa Major ..	9	28 37.11	3,802	35 20 5.0	18,486	382
20582	Ursa Major ..	9	28 37.89	3,802	35 19 59.6	18,486	354
20583	Leo Minor	8½	28 38.77	3,454	53 28 8.9	18,487	56
20584	Leo Minor	8½	28 39.29	3,454	53 28 8.2	18,487	60
20585	Hydra φ ³	5	28 50.55	2,923	105 50 28.5	18,494	279
20586	Hydra φ ³	5	28 50.72	2,923	105 50 28.7	18,494	333
20587	Hydra φ ³	5½	28 50.72	2,923	105 50 26.4	18,494	281
20588	Ursa Major ..	7	28 50.80	3,556	46 48 37.7	18,494	7
20589	Leo	8	28 51.30	3,229	72 56 35.2	18,494	332
20590	Ursa Major ..	8½	28 53.05	3,783	35 59 21.9	18,495	382
20591	Hydra	6	28 57.34	2,965	101 24 31.5	18,497	329
20592	Leo	•	29 0.19	3,165	79 36 0.7	18,499	219
20593	Leo	8½	29 0.88	3,147	81 32 0.0	18,500	226
20594	Hydra	8	29 2.54	2,934	104 41 35.0	18,500	279
20595	Ursa Major ..	•	29 3.93	3,544	47 26 2.4	18,501	8
20596	Ursa Major ..	7½	29 4.34	3,544	47 26 3.2	18,501	7
20597	Leo Minor	9	29 6.41	3,357	60 56 49.4	18,503	62
20598	Hydra	9	29 7.29	2,886	109 32 22.8	18,503	284
20599	Leo Minor	8	29 9.39	3,455	53 13 58.8	18,504	56
20600	Leo Minor	8	10 29 9.88	+3,455	53 14 1.1	+18,505	60

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20601	Leo	8	10 29 11.25	+3,248	70 53 50.0	+18,505	222
20602	Sextans	8	29 11.34	3,023	95 10 23.1	18,506	321
20603	Leo	7	29 12.86	3,160	80 7 11.4	18,506	229
20604	Leo	7	29 13.01	3,160	80 7 8.3	18,506	223
20605	Leo Minor....	9	29 13.91	3,356	60 57 5.4	18,507	62
20606	Leo Minor....	6½	29 14.41	3,350	61 26 14.8	18,507	63
20607	Leo Minor....	7½	29 14.76	3,350	61 26 12.1	18,507	54
20608	Leo	8	29 43.94	3,217	73 59 49.7	18,523	222
20609	Hydra	7	29 44.52	2,961	101 57 26.7	18,524	329
20610	Leo Minor....	8½	29 46.27	3,381	58 44 45.1	18,525	151
20611	Leo Minor....	8½	29 47.50	3,447	54 16 20.2	18,526	60
20612	Leo Minor....	7	29 48.10	3,328	63 15 40.7	18,526	65
20613	Hydra	9	29 51.41	2,885	109 48 55.0	18,528	284
20614	Sextans	9½	29 57.79	3,120	84 25 12.2	18,531	229
20615	Hydra	7½	30 7.15	2,868	111 29 31.9	18,537	286
20616	Hydra	9	30 10.95	2,930	105 17 12.0	18,539	331
20617	Sextans	8	30 11.66	3,019	95 39 8.5	18,539	152
20618	Sextans	7½	30 15.61	2,998	98 0 20.0	18,541	330
20619	Hydra	7½	30 20.66	2,930	105 19 48.3	18,544	331
20620	Leo	7½	30 24.46	3,234	72 5 36.3	18,546	332
20621	Hydra	8	30 26.29	2,858	112 34 58.9	18,547	286
20622	Leo Minor....	8	30 32.62	3,344	61 38 58.2	18,551	63
20623	Leo	7½	30 33.99	3,271	68 24 17.1	18,552	327
20624	Hydra .....	.	30 34.05	2,959	102 14 19.9	18,552	329
20625	Sextans	9	30 36.72	3,111	85 23 41.8	18,553	325
20626	Leo Minor....	9	30 38.70	3,346	61 29 12.1	18,554	63
20627	Hydra	8½	30 40.52	2,957	102 28 18.8	18,555	329
20628	Leo Minor....	9	30 48.36	3,482	50 54 49.7	18,559	57
20629	Leo Minor....	9	30 53.31	3,325	63 17 21.1	18,562	65
20630	Leo	7½	30 53.61	3,155	80 23 43.9	18,562	223
20631	Leo	7½	30 53.80	3,155	80 23 45.0	18,563	229
20632	Sextans	7½	30 56.32	3,076	89 14 2.3	18,564	227
20633	Leo Minor....	6½	30 56.76	3,395	57 15 34.1	18,564	228
20634	Leo Minor....	6	30 56.84	3,395	57 15 41.0	18,564	151
20635	Leo	8	30 58.35	3,206	74 58 52.1	18,565	222
20636	Leo	8	30 59.01	3,287	66 45 16.0	18,565	150
20637	Leo Minor....	9	30 59.11	3,459	52 26 23.4	18,566	56
20638	Hydra	8½	31 1.10	2,942	104 9 59.8	18,566	279
20639	Hydra	9	31 2.57	2,962	102 3 15.2	18,567	329
20640	Hydra	8½	10 31 3.06	+2,961	102 5 27.4	+18,568	329

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20641	Sextans	9	10 31 5.11	+3,000	97 48 1.4	+18,569	330
20642	Leo	7½	31 7.77	3,175	78 13 13.0	18,570	225
20643	Leo Minor....	9	31 11.55	3,362	59 57 27.9	18,572	62
20644	Hydra	7½	31 14.85	2,950	103 19 9.0	18,574	331
20645	Leo	9	31 18.83	3,203	75 12 13.4	18,576	222
20646	Sextans	8½	31 20.89	3,072	89 42 52.2	18,577	275
20647	Sextans	8½	31 21.24	3,076	89 13 51.3	18,578	227
20648	Sextans	9	31 25.97	3,117	84 39 42.9	18,580	229
20649	Leo	8	31 26.06	3,156	80 32 37.2	18,580	223
20650	Leo	9	31 26.74	3,154	80 32 35.3	18,581	229
20651	Leo	8½	31 27.52	3,200	75 29 9.6	18,581	148
20652	Leo	8½	31 39.56	3,190	76 32 17.9	18,587	148
20653	Ursa Major ..	9	31 44.39	3,613	42 44 58.5	18,590	353
20654	Leo	7	31 44.83	3,171	78 36 5.5	18,590	225
20655	Leo	6½	31 44.93	3,245	70 44 13.1	18,590	222
20656	Leo Minor....	8½	31 45.45	3,437	53 47 26.1	18,591	60
20657	Leo Minor....	8	31 46.75	3,358	60 8 22.3	18,592	62
20658	Sextans	7½	31 46.82	3,043	93 1 56.3	18,592	277
20659	Sextans	8	31 49.05	3,021	95 31 59.5	18,593	152
20660	Hydra	9	31 51.94	2,935	105 3 2.1	18,594	331
20661	Hydra	8½	31 52.50	2,939	104 38 6.1	18,595	279
20662	Sextans	8	31 52.57	3,103	86 9 28.3	18,595	325
20663	Leo	8½	31 59.72	3,152	80 37 28.5	18,599	229
20664	Leo	8	31 59.99	3,152	80 37 28.4	18,599	223
20665	Leo Minor....	6	32 1.18	3,329	62 37 39.4	18,599	63
20666	Leo Minor....	8	32 3.29	3,364	59 34 25.9	18,601	54
20667	Leo Minor....	8	32 3.48	3,364	59 34 29.4	18,601	61
20668	Leo	7½	32 5.65	3,246	70 34 29.9	18,602	222
20669	Ursa Major ..	7½	32 7.77	3,543	46 34 55.4	18,603	7
20670	Ursa Major ..	8½	32 12.73	3,610	42 44 43.6	18,606	353
20671	Hydra	6½	32 17.50	2,957	102 44 9.0	18,608	329
20672	Sextans	6	32 17.51	3,110	85 22 34.9	18,608	325
20673	Ursa Major ..	8	32 22.83	3,544	46 28 42.3	18,611	7
20674	Leo Minor....	8	32 23.17	3,355	60 15 51.5	18,612	62
20675	Sextans	9	32 25.57	3,022	95 28 33.4	18,613	152
20676	Leo Minor....	9	32 26.31	3,322	63 11 40.1	18,613	65
20677	Sextans	6½	32 26.55	3,002	97 41 1.0	18,613	330
20678	Leo	9	32 31.36	3,190	76 27 48.0	18,616	148
20679	Sextans	7	32 36.78	3,060	91 7 41.7	18,619	277
20680	Hydra	6	10 32 39.59	+2,955	102 55 54.9	+18,621	329

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20681	Ursa Major ..	8½	10 32 40,60	+3,501	49 2 16,4	+18,621	57
20682	Hydra	8	32 42,59	2,893	109 33 39,3	18,622	284
20683	Sextans	8	32 46,80	3,119	84 17 13,4	18,624	229
20684*	Leo Minor....	9	32 50,33	3,465	51 27 23,9	18,626	56
20685	Leo Minor....	8	32 52,12	3,339	61 32 53,7	18,627	63
20686	Leo	9	32 52,97	3,276	67 28 3,9	18,628	150
20687	Hydra	8½	32 53,52	2,921	106 40 51,5	18,628	281
20688	Hydra	9	32 53,97	2,922	106 31 27,6	18,628	281
20689	Sextans	8	32 54,93	3,040	93 21 47,2	18,629	321
20690	Sextans	9½	32 56,91	3,019	95 50 5,5	18,630	152
20691	Sextans	8	32 57,55	3,111	85 12 28,9	18,630	229
20692	Sextans	6½	32 57,71	3,120	84 12 22,3	18,630	229
20693	Leo	6½	33 2,27	3,244	70 38 26,2	18,633	222
20694	Sextans	8	33 5,23	3,095	87 2 5,1	18,634	325
20695	Ursa Major ..	6½	33 5,45	3,527	47 14 26,0	18,635	7
20696	Ursa Major ..	7½	33 5,53	3,527	47 14 23,2	18,635	9
20697	Sextans	8	33 8,43	3,097	86 47 29,6	18,636	325
20698	Leo Minor....	7½	33 10,49	3,396	56 35 1,9	18,637	228
20699	Hydra	9	33 13,69	2,949	103 41 53,9	18,639	331
20700	Sextans	8½	33 16,03	2,982	100 8 58,3	18,640	326
20701	Hydra	7½	33 17,87	2,865	112 30 20,6	18,641	286
20702	Ursa Major ..	8	33 23,07	3,505	48 34 19,3	18,644	8
20703	Leo	5½	33 27,49	3,257	69 11 41,9	18,646	327
20704	Ursa Major ..	7	33 31,01	3,591	43 23 16,0	18,648	352
20705	Leo Minor....	9	33 36,34	3,471	50 49 45,1	18,651	57
20706	Sextans	9	33 36,37	3,051	92 8 34,3	18,651	277
20707	Sextans	9	33 43,33	3,052	91 59 58,0	18,655	277
20708	Sextans	7½	33 45,54	3,106	85 43 47,6	18,656	325
20709	Hydra	9	33 46,25	2,912	107 49 23,4	18,657	333
20710	Ursa Major ..	7	33 47,33	3,518	47 38 36,7	18,657	9
20711	Sextans	7½	33 48,94	3,026	95 2 1,0	18,658	321
20712	Leo	7	33 53,07	3,169	78 34 37,8	18,660	225
20713	Hydra	8½	33 58,20	2,950	103 44 53,1	18,663	331
20714	Sextans	8½	34 14,26	3,126	83 27 17,3	18,672	229
20715	Leo	8	34 23,84	3,269	67 44 50,6	18,676	327
20716	Leo	8	34 24,45	3,222	72 36 46,1	18,677	332
20717	Leo	9	34 30,81	3,293	65 22 27,2	18,680	150
20718	Leo Minor....	7	34 33,96	3,391	56 34 17,0	18,682	228
20719	Hydra	8	34 37,43	2,911	108 5 42,2	18,684	333
20720	Sextans	6½	10 34 40,13	+3,107	85 38 43,5	+18,685	325

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20721	Leo Minor....	4½	10 34 42.35	+3,370	58 16 6.3	+18,686	151
20722	Leo Minor....	8	34 44.21	3,370	58 19 31.3	18,687	151
20723	Ursa Major ..	8½	34 45.87	3,485	49 27 22.2	18,688	57
20724	Sextans	9	34 47.06	2,994	98 53 22.0	18,689	330
20725	Sextans	8	34 47.53	2,985	99 51 41.9	18,689	326
20726	Ursa Major ..	8½	34 47.97	3,558	44 50 48.6	18,689	352
20727	Sextans	6	34 50.79	3,100	86 27 47.1	18,691	325
20728	Leo	8	34 52.96	3,138	81 59 12.5	18,692	226
20729	Hydra	7	34 53.76	2,864	112 56 24.8	18,692	286
20730	Leo Minor....	9	34 54.19	3,431	53 18 50.8	18,693	56
20731	Leo Minor....	8½	34 55.18	3,431	53 18 53.3	18,693	60
20732	Leo	8½	34 57.93	3,147	80 57 37.3	18,694	223
20733	Leo Minor....	7½	35 4.89	3,312	63 23 4.6	18,698	63
20734	Leo Minor....	8½	35 5.18	3,312	63 23 6.0	18,698	65
20735	Leo	7½	35 6.17	3,143	81 26 12.7	18,699	226
20736	Leo Minor....	9	35 8.94	3,411	54 49 6.6	18,700	228
20737	Leo Minor....	8½	35 9.04	3,411	54 48 56.6	18,700	60
20738	Leo Minor....	8	35 9.08	3,314	63 11 27.8	18,700	65
20739	Leo Minor....	7½	35 9.45	3,314	63 11 24.4	18,701	63
20740	Ursa Major ..	7	35 14.63	3,538	45 55 24.5	18,703	7
20741	Leo Minor....	8	35 15.94	3,368	58 16 37.4	18,704	151
20742	Leo Minor....	7½	35 17.81	3,312	63 20 14.7	18,705	63
20743	Leo Minor....	8	35 18.70	3,312	63 20 15.0	18,706	65
20744	Sextans	7½	35 19.30	3,124	83 34 5.5	18,706	229
20745	Leo Minor....	8½	35 26.27	3,417	54 13 11.1	18,710	60
20746	Leo	6	35 36.89	3,244	70 3 27.8	18,715	222
20747	Sextans	6½	35 40.16	3,132	82 34 32.6	18,717	226
20748	Leo	6½	35 43.44	3,188	76 12 3.2	18,718	148
20749	Ursa Major ..	8	35 46.00	3,499	48 12 36.5	18,720	9
20750	Sextans	8	35 46.97	2,987	99 48 59.7	18,720	326
20751	Leo	6	35 48.00	3,201	74 45 6.3	18,721	222
20752	Leo	5	35 48.68	3,201	74 45 11.4	18,721	148
20753	Sextans	7	35 50.10	2,988	99 39 51.2	18,722	326
20754	Leo	7	35 59.09	3,222	72 24 23.9	18,727	332
20755	Leo	8½	36 4.24	3,174	77 45 33.9	18,729	225
20756	Sextans	8	36 6.50	3,030	94 42 42.2	18,731	321
20757	Sextans	8	36 10.91	2,997	98 39 53.4	18,733	330
20758	Hydra	8½	36 11.28	2,896	109 55 20.6	18,733	284
20759	Sextans	7½	36 13.55	3,117	84 17 45.9	18,734	229
20760	Hydra	8	10 36 14.18	+2,935	105 41 8.3	+18,734	281

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20761	Leo Minor....	9	10 36 15.02	+3,357	58 58 4.0	+18,735	151
20762	Leo Minor....	8½	36 15.78	3,357	58 58 1.7	18,735	61
20763	Leo	9	36 18.99	3,275	66 42 40.8	18,737	150
20764	Leo .....	.	36 25.25	3,278	66 22 23.5	18,740	150
20765	Hydra	9	36 25.56	2,950	104 5 22.9	18,740	331
20766	Leo Minor....	9½	36 27.97	3,399	55 21 31.1	18,742	228
20767	Ursa Major ..	7	36 29.14	3,501	47 50 18.4	18,742	9
20768	Crater	7	36 31.18	2,965	102 24 44.0	18,743	329
20769	Hydra	8	36 32.62	2,873	112 22 57.8	18,744	286
20770	Ursa Major ..	7	36 35.42	3,481	49 12 18.3	18,746	57
20771	Hydra .....	.	36 35.74	2,951	103 59 12.4	18,746	331
20772	Leo	8	36 37.32	3,271	67 2 26.0	18,746	327
20773	Leo	8½	36 37.67	3,272	66 57 26.0	18,747	150
20774	Sextans	7½	36 42.32	3,034	94 19 54.2	18,749	321
20775	Leo	9	36 44.06	3,224	72 1 21.5	18,750	332
20776	Hydra	7	36 46.37	2,909	108 42 41.1	18,751	333
20777	Sextans	8	36 50.09	3,000	98 20 39.4	18,753	330
20778	Ursa Major ..	.	36 51.29	3,500	47 47 22.5	18,754	9
20779	Sextans	7	36 54.60	3,131	82 36 1.7	18,756	226
20780	Leo	8½	36 55.54	3,242	69 59 3.8	18,756	222
20781	Ursa Major ..	.	36 58.60	3,477	49 20 18.5	18,758	57
20782	Leo Minor....	9½	37 1.09	3,306	63 29 10.5	18,759	65
20783	Leo Minor....	7½	37 3.34	3,448	51 22 41.6	18,760	56
20784	Sextans	8½	37 3.72	3,063	90 49 25.6	18,760	227
20785	Hydra δ¹	6	37 4.47	2,932	106 14 41.6	18,761	281
20786	Sextans	8	37 8.68	3,064	90 40 19.2	18,763	227
20787	Sextans	9	37 9.82	2,978	100 57 52.1	18,763	326
20788	Sextans	7	37 10.17	3,099	86 25 51.0	18,764	325
20789	Leo	8	37 15.33	3,166	78 30 18.2	18,766	225
20790	Ursa Major ..	8	37 16.00	3,542	45 1 0.5	18,767	352
20791	Ursa Major ..	6½	37 17.22	3,542	45 1 3.3	18,767	7
20792	Sextans	8	37 21.28	3,061	91 2 24.0	18,769	227
20793	Leo	8	37 26.29	3,198	74 44 9.5	18,772	222
20794	Leo	8½	37 28.88	3,271	66 51 23.0	18,773	150
20795	Crater	8	37 33.57	2,962	102 55 33.0	18,776	329
20796	Sextans	8½	37 38.17	3,100	86 17 38.9	18,778	325
20797	Sextans	9	37 40.40	3,000	98 26 48.8	18,779	330
20798	Leo Minor....	9	37 44.42	3,380	56 32 23.3	18,781	228
20799	Hydra	6½	37 46.62	2,951	104 12 43.7	18,782	331
20800	Hydra	7½	10 37 46.91	+2,948	104 34 30.2	+18,782	331

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			h m s	s	° ' "	"	
20801	Hydra	7	10 37 48,36	+2,951	104 11 26,5	+18,783	331
20802	Leo	9	37 49,88	3,142	81 10 59,9	18,784	223
20803	Sextans	8	37 51,18	3,098	86 29 30,2	18,785	325
20804	Hydra	7	37 51,58	2,952	104 3 42,8	18,785	331
20805	Ursa Major ..	7½	37 53,34	3,524	45 52 46,1	18,786	7
20806	Leo Minor....	6	37 53,42	3,345	59 31 47,7	18,786	151
20807	Leo Minor....	6½	37 53,45	3,345	59 31 46,8	18,786	62
20808	Leo Minor....	6½	37 53,64	3,345	59 31 48,9	18,786	54
20809	Leo Minor....	6½	37 53,77	3,345	59 31 49,4	18,786	61
20810	Ursa Major ..	8	37 54,04	3,498	47 33 22,5	18,786	9
20811	Leo Minor....	9	38 1,26	3,317	62 8 34,1	18,790	63
20812	Sextans	8½	38 2,18	3,099	86 27 52,2	18,790	325
20813	Sextans	8	38 5,92	2,996	98 55 18,4	18,792	330
20814	Hydra	8	38 11,13	2,906	109 17 21,0	18,795	284
20815	Leo	8½	38 11,49	3,258	68 3 11,0	18,795	327
20816	Crater	8	38 12,56	2,978	101 6 41,8	18,796	326
20817	Sextans	8½	38 12,68	3,098	86 33 34,4	18,796	325
20818	Crater	9	38 14,56	2,978	101 4 24,6	18,797	326
20819	Leo Minor....	.	38 15,70	3,449	50 54 20,0	18,797	57
20820	Ursa Major ..	9½	38 16,17	3,697	36 40 42,7	18,798	354
20821	Leo	8	38 16,36	3,147	80 33 33,1	18,798	223
20822	Sextans	8	38 21,62	3,053	92 4 10,6	18,800	277
20823	Sextans	6	38 28,53	3,062	90 54 19,8	18,804	227
20824	Leo	7½	38 33,08	3,162	78 47 19,7	18,806	225
20825	Hydra	9	38 37,86	2,899	110 7 26,4	18,808	284
20826	Leo	5	38 43,99	3,165	78 24 0,1	18,811	225
20827	Leo	6½	38 44,76	3,222	71 47 58,3	18,812	332
20828	Leo	9	38 46,19	3,275	66 6 19,5	18,813	150
20829	Leo Minor....	8	38 49,39	3,421	52 50 52,1	18,814	56
20830	Leo Minor....	6½	38 51,95	3,327	60 58 24,4	18,816	62
20831	Leo Minor....	6½	38 52,01	3,327	60 58 27,8	18,816	61
20832	Leo Minor....	6	38 52,23	3,327	60 58 25,4	18,816	63
20833	Leo Minor....	6	38 52,36	3,327	60 58 30,5	18,816	54
20834	Sextans	9	38 56,63	3,133	82 11 54,4	18,818	226
20835	Sextans	7	38 56,88	3,004	98 2 40,6	18,818	330
20836	Leo	8	38 57,99	3,278	65 46 44,3	18,819	150
20837	Sextans	7	39 2,49	3,034	94 21 13,4	18,821	321
20838	Sextans	7	39 3,42	3,106	85 30 18,9	18,821	229
20839	Sextans	6	39 8,68	3,046	92 58 11,0	18,824	277
20840	Leo Minor....	9	10 39 15,09	+3,301	63 22 56,8	+18,827	65

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20841	Leo	8½	10 39 19.41	+3,196	74 39 45.7	+18,830	222
20842	Sextans	8	39 19.55	3,034	94 26 58.6	18,830	321
20843	Leo Minor....	7½	39 23.70	3,370	56 54 58.9	18,832	228
20844	Sextans	8	39 28.40	3,086	87 59 58.4	18,834	275
20845	Leo Minor....	9	39 28.55	3,310	62 25 59.7	18,834	63
20846	Ursa Major ..	9	39 29.32	3,578	42 8 47.2	18,834	353
20847	Leo Minor....	7½	39 32.13	3,301	63 18 5.8	18,836	65
20848	Crater	8½	39 36.03	2,981	100 54 15.9	18,838	326
20849	Draco.....	7	39 36.33	4,398	19 5 1.0	18,838	366
20850	Sextans	5½	39 42.90	2,999	98 47 43.1	18,841	330
20851	Sextans	9	39 44.23	3,062	90 54 7.0	18,842	227
20852	Leo	7	39 44.73	3,278	65 32 23.2	18,842	150
20853	Hydra v	4	39 45.94	2,945	105 9 5.0	18,843	331
20854	Hydra v	4	39 46.11	2,945	105 9 5.5	18,843	279
20855	Hydra v	4	39 46.35	2,945	105 9 11.3	18,843	281
20856	Hydra v	4	39 46.42	2,945	105 9 0.2	18,843	333
20857	Sextans	8½	39 49.54	2,996	99 11 46.3	18,845	330
20858	Ursa Major ..	8½	39 50.70	3,491	47 22 30.9	18,845	9
20859	Ursa Major ..	8	39 50.92	3,491	47 22 39.6	18,845	7
20860	Sextans	9	39 51.11	3,086	87 56 50.3	18,845	275
20861	Sextans	8½	39 56.15	3,018	96 25 30.5	18,848	152
20862	Sextans	8	39 56.87	3,052	92 8 51.9	18,848	277
20863	Leo	9	39 59.73	3,162	78 36 49.5	18,850	225
20864	Crater	8	40 1.96	2,964	102 58 6.4	18,851	329
20865	Leo Minor....	9	40 11.21	3,424	52 9 35.9	18,855	56
20866	Leo	8½	40 11.45	3,178	76 40 29.5	18,856	148
20867	Leo Minor....	9	40 11.62	3,299	63 18 4.9	18,856	65
20868	Leo	9	40 20.98	3,278	65 24 53.1	18,860	150
20869	Ursa Major ..	7	40 26.89	3,687	36 22 34.1	18,863	354
20870	Sextans	8	40 29.59	3,123	83 20 22.4	18,864	226
20871	Sextans	8	40 29.85	3,123	83 21 23.9	18,865	229
20872	Leo Minor....	9	40 32.29	3,335	59 41 48.5	18,866	54
20873	Leo	9	40 34.92	3,276	65 32 28.3	18,867	150
20874	Sextans	7	40 36.55	3,107	85 21 13.2	18,868	325
20875	Sextans	7	40 36.62	3,107	85 21 6.8	18,868	229
20876	Leo	7	40 36.75	3,171	77 21 45.4	18,868	148
20877	Sextans	9	40 37.62	3,040	93 40 57.6	18,869	321
20878	Ursa Major ..	8½	40 38.21	3,507	46 3 43.9	18,869	7
20879	Sextans	9	40 40.13	3,118	83 54 44.5	18,870	229
20880	Leo Minor....	9	10 40 43.62	+3,314	61 38 42.2	+18,871	63

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			h m s	s	° ' "	"	
20881	Leo	8	10 40 45,07	+3,247	68° 38' 22,6	+18,872	327
20882	Leo	7½	40 45,10	3,152	79 42 24,2	18,872	223
20883	Sextans	8½	40 46,82	3,132	82 10 44,5	18,873	226
20884	Leo Minor....	9	40 47,91	3,376	55 53 42,1	18,874	228
20885	Leo	7	40 50,15	3,151	79 47 31,3	18,875	223
20886	Leo Minor....	•	40 52,37	3,357	57 34 32,4	18,876	151
20887	Sextans	8	40 52,79	3,084	88 9 20,8	18,876	275
20888	Leo Minor....	8	40 53,73	3,360	57 18 41,3	18,876	228
20889	Sextans	7½	40 54,16	3,100	86 12 44,8	18,876	325
20890	Sextans	8	40 55,08	3,006	97 59 55,6	18,877	330
20891	Sextans	6	40 55,32	3,054	92 2 4,7	18,877	277
20892	Leo	8	40 55,73	3,189	75 16 32,6	18,877	222
20893	Crater	7½	41 2,86	2,958	103 50 12,0	18,881	331
20894	Leo	7½	41 9,54	3,187	75 22 37,7	18,884	222
20895	Sextans	7	41 10,20	3,041	93 40 49,6	18,885	321
20896	Ursa Major ..	7½	41 13,36	3,440	50 36 18,2	18,886	57
20897	Ursa Major ..	7½	41 17,66	3,464	48 46 1,2	18,888	9
20898	Hydra δ²	7	41 18,98	2,930	107 16 28,7	18,889	281
20899*	Hydra δ²	6½	41 19,43	2,930	107 16 28,4	18,889	333
20900	Leo	8	41 22,81	3,209	72 50 51,5	18,891	332
20901	Crater	8½	41 25,17	2,976	101 45 43,7	18,892	329
20902	Leo	8	41 27,38	3,169	77 34 59,4	18,893	225
20903	Leo Minor....	8	41 30,75	3,373	55 57 2,3	18,895	228
20904	Leo	7½	41 31,03	3,150	79 52 44,5	18,895	223
20905	Leo Minor....	9	41 31,94	3,388	54 37 10,6	18,895	60
20906	Hydra	8½	41 32,76	2,902	110 27 59,4	18,896	284
20907	Leo	8	41 36,01	3,148	80 5 22,8	18,897	223
20908	Sextans	8½	41 36,67	3,008	97 48 30,0	18,897	330
20909	Leo	9	41 37,81	3,134	81 53 32,2	18,898	226
20910	Leo	9	41 39,37	3,183	75 50 31,6	18,899	148
20911	Leo Minor....	8½	41 43,72	3,343	58 33 25,3	18,901	151
20912	Sextans	8½	41 45,61	3,046	93 3 41,4	18,902	277
20913	Leo Minor....	9½	41 46,60	3,416	52 17 16,2	18,903	56
20914	Leo Minor....	9	41 49,05	3,294	63 22 48,2	18,903	65
20915	Leo Minor....	7½	41 49,40	3,317	61 4 39,1	18,904	54
20916	Leo Minor....	7½	41 49,61	3,317	61 4 39,5	18,904	61
20917	Sextans	9	41 49,80	3,022	96 7 39,9	18,904	152
20918	Hydra	6½	41 54,58	2,905	110 11 38,2	18,907	284
20919	Leo	6	41 56,97	3,086	87 54 53,4	18,907	275
20920	Leo	8	10 42 2,20	+3,209	72 37 25,3	+18,910	332

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			h m s	s	° ' "	"	
20921	Leo Minor	5	10 42 4.87	+3,385	54 42 37.8	+18,911	60
20922	Ursa Major ..	8	42 8.65	3,577	41 16 10.0	18,913	353
20923	Leo	9½	42 11.89	3,261	66 47 30.7	18,915	150
20924	Leo	9	42 15.97	3,196	74 11 4.5	18,917	222
20925	Sextans	7	42 16.10	3,117	83 56 10.0	18,917	229
20926	Sextans	8	42 16.33	3,117	83 56 9.7	18,917	229
20927	Leo	8½	42 19.37	3,167	77 39 10.6	18,918	225
20928	Crater	7	42 19.62	2,991	100 3 3.0	18,919	326
20929	Leo	6½	42 21.35	3,076	89 8 28.0	18,919	275
20930	Leo	6	42 21.45	3,076	89 8 27.6	18,920	227
20931	Ursa Major . w	5	42 23.82	3,502	45 44 57.2	18,920	9
20932	Ursa Major . w	4½	42 24.56	3,502	45 44 59.0	18,921	7
20933	Leo	9	42 25.11	3,134	81 43 24.0	18,921	326
20934	Leo	7	42 26.64	3,094	86 49 36.1	18,922	325
20935	Leo	8	42 31.39	3,214	71 57 45.5	18,924	332
20936	Ursa Major ..	8½	42 31.50	3,505	45 33 38.8	18,924	7
20937	Leo Minor	7	42 35.13	3,333	59 18 25.5	18,926	54
20938*	Leo Minor	8	42 36.67	3,340	58 35 2.4	18,926	151
20939	Sextans	8½	42 37.55	3,024	95 55 44.5	18,927	152
20940	Leo Minor	9	42 38.14	3,340	58 39 2.5	18,927	151
20941	Leo Minor	7½	42 38.92	3,296	62 43 50.5	18,928	63
20942	Sextans	8	42 40.11	3,048	92 51 14.0	18,928	277
20943	Sextans	7	42 40.79	3,116	83 58 42.2	18,929	229
20944	Sextans	7½	42 41.17	3,116	83 58 47.9	18,929	229
20945	Sextans	8	42 45.97	3,025	95 45 3.1	18,931	152
20946	Leo	8½	42 48.66	3,181	75 49 7.8	18,933	148
20947	Draco	9	42 48.68	4,359	18 55 27.7	18,933	366
20948	Crater	7	42 49.32	2,989	100 22 2.2	18,933	326
20949	Hydra	8	42 50.15	2,947	105 31 39.3	18,933	281
20950	Hydra	8	42 50.23	2,943	105 57 47.6	18,933	281
20951	Leo	9½	42 55.48	3,168	77 22 57.2	18,936	225
20952	Leo Minor	8	43 2.33	3,381	54 48 18.1	18,939	60
20953	Leo	8	43 8.07	3,244	68 24 16.5	18,942	327
20954	Hydra	7½	43 8.92	2,942	106 13 19.0	18,942	281
20955	Hydra	8½	43 14.43	2,945	105 52 22.3	18,945	281
20956	Sextans	6	43 14.64	3,061	91 11 23.1	18,945	227
20957	Sextans	9½	43 14.65	3,060	91 11 57.2	18,945	227
20958	Leo Minor	7½	43 21.23	3,340	58 24 28.3	18,948	151
20959	Hydra	7½	43 22.47	2,914	109 33 15.6	18,949	284
20960	Leo Minor	8	10 43 29.68	+3,410	52 10 40.4	+18,952	56

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20961	Leo	5½	10 43 32.68	+3,061	91 4 7.9	+18,954	227
20962	Leo	8½	43 32.72	3,045	93 14 32.1	18,954	277
20963	Leo	8	43 32.88	3,098	86 16 44.0	18,954	325
20964	Leo	8	43 33.24	3,102	85 43 9.0	18,954	325
20965	Ursa Major ..	8	43 34.91	3,448	49 8 46.9	18,955	9
20966	Leo Minor	7	43 35.10	3,329	59 18 25.3	18,955	61
20967	Crater	7	43 39.35	2,958	104 22 56.7	18,957	331
20968	Leo	•	43 41.67	3,264	65 58 45.1	18,958	150
20969	Hydra δ ²	5	43 43.10	2,919	109 3 53.7	18,959	333
20970	Leo	8	43 44.75	3,174	76 33 59.8	18,959	148
20971*	Leo	8	43 45.38	3,245	68 9 55.3	18,960	327
20972	Leo Minor	6	43 48.70	3,288	63 26 52.4	18,961	63
20973	Leo Minor	6	43 48.74	3,288	63 26 23.7	18,961	65
20974	Leo Minor	6½	43 48.76	3,376	54 54 4.2	18,961	60
20975	Leo	8	43 52.14	3,047	92 58 39.4	18,963	277
20976	Crater	7	43 59.70	2,982	101 22 20.2	18,967	329
20977	Crater	6½	43 59.95	2,982	101 22 22.0	18,967	326
20978	Crater	8	44 22.27	2,972	102 41 52.5	18,977	329
20979	Leo	6½	44 22.42	3,122	83 5 18.0	18,977	229
20980	Leo	7½	44 22.53	3,122	83 5 22.4	18,977	226
20981	Hydra	8½	44 24.98	2,894	112 6 46.3	18,978	286
20982	Crater	9	44 34.45	2,970	102 56 16.5	18,983	329
20983	Leo Minor	5½	44 37.33	3,367	55 25 40.0	18,984	228
20984	Leo	8½	44 37.77	3,056	91 47 4.5	18,985	277
20985	Leo	8	44 40.36	3,264	65 46 18.1	18,986	150
20986	Crater	8	44 41.04	2,990	100 28 47.7	18,986	326
20987	Crater	7	44 42.74	3,014	97 19 28.6	18,987	330
20988	Crater	9	44 42.86	3,014	97 18 58.8	18,987	152
20989	Hydra	7½	44 43.18	2,920	109 10 22.5	18,987	333
20990	Leo	4½	44 45.71	3,278	64 11 11.6	18,988	65
20991	Leo	8	44 46.11	3,278	64 11 11.6	18,989	65
20992	Ursa Major ..	6	44 46.49	3,473	46 55 20.6	18,989	9
20993	Ursa Major ..	6	44 47.25	3,473	46 55 23.2	18,989	7
20994	Ursa Major ..	9	44 48.84	3,647	36 45 13.5	18,990	354
20995	Crater	7½	44 49.40	3,001	99 1 19.0	18,990	330
20996	Draco.....	9	44 50.64	4,312	19 7 30.1	18,991	366
20997	Draco.....	8	45 5.89	4,320	18 56 43.6	18,998	366
20998	Leo Minor	9	45 12.26	3,364	55 33 12.3	19,001	228
20999	Leo	7	45 15.01	3,219	70 47 4.5	19,002	222
21000	Crater	7½	10 45 16.05	+2,986	101 3 35.0	+19,002	326

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21001	Crater	9	10 45 16.22	+3,026	95 45 50.5	+19,002	152
21002	Leo Minor....	8	45 16.33	3,338	57 53 45.0	19,002	151
21003*	Crater	9	45 22.05	3,025	95 53 52.9	19,005	152
21004	Leo	8	45 23.33	3,079	88 48 49.5	19,006	275
21005	Ursa Major ..	8	45 24.49	3,440	49 7 19.7	19,006	57
21006	Leo	5½	45 24.74	3,083	88 11 57.3	19,006	275
21007	Hydra	8½	45 25.03	2,898	111 51 37.1	19,007	286
21008	Leo Minor....	9	45 25.86	3,305	61 11 22.3	19,007	61
21009	Leo Minor....	8½	45 26.25	3,305	61 11 10.8	19,007	54
21010	Leo Minor....	9	45 26.49	3,305	61 11 21.7	19,007	63
21011	Hydra	6½	45 26.56	2,917	109 36 8.2	19,008	284
21012	Leo	9½	45 28.42	3,224	70 6 33.9	19,008	222
21013	Leo	6	45 29.83	3,255	66 35 6.1	19,009	66
21014	Leo	7	45 30.99	3,263	65 41 0.2	19,009	66
21015	Leo	8	45 31.01	3,135	81 15 17.0	19,009	224
21016	Leo	7½	45 31.44	3,263	65 40 56.1	19,009	150
21017	Ursa Major ..	8	45 33.92	3,438	49 11 50.8	19,011	57
21018	Crater	8	45 37.06	3,036	94 29 0.1	19,012	321
21019	Leo	6	45 37.99	3,124	82 45 0.9	19,012	226
21020	Leo Minor....	7	45 41.64	3,283	63 26 5.9	19,014	65
21021	Leo Minor....	6	45 41.68	3,283	63 26 4.6	19,015	63
21022*	Ursa Major ..	8	45 43.39	3,459	47 34 51.1	19,015	9
21023	Leo	8½	45 47.52	3,056	91 49 25.8	19,017	277
21024	Ursa Major ..	8½	45 49.43	3,495	44 59 57.0	19,018	7
21025	Leo Minor....	8½	45 53.19	3,381	53 44 15.6	19,020	60
21026	Leo	8	45 53.69	3,066	90 33 14.0	19,020	227
21027	Leo	6½	45 54.83	3,081	88 30 4.9	19,020	275
21028	Crater	7½	45 56.95	2,953	105 18 41.0	19,021	331
21029	Leo	8½	45 57.94	3,214	71 16 41.9	19,022	332
21030	Leo	7	46 8.61	3,117	83 39 38.0	19,027	229
21031	Leo	7½	46 9.05	3,117	83 39 34.7	19,027	229
21032	Leo	7½	46 9.07	3,133	81 32 35.2	19,027	226
21033	Leo	8½	46 10.90	3,180	75 22 40.6	19,028	148
21034	Leo	8	46 11.39	3,180	75 22 41.2	19,028	222
21035	Ursa Major ..	9	46 12.59	3,409	51 17 11.0	19,029	56
21036*	Leo	7	46 24.82	3,248	67 7 5.3	19,034	327
21037	Hydra	9	46 25.37	2,901	111 49 11.9	19,034	286
21038	Leo	9	46 29.79	3,103	85 29 8.6	19,037	325
21039	Leo	9	46 29.82	3,103	85 29 7.8	19,037	229
21040	Leo	7½	10 46 32.23	+3,242	67 47 35.9	+19,038	327

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21041	Leo Minor....	7½	10 46 34.52	+3,330	58° 16' 50.5	+19,039	151
21042	Leo Minor....	9	46 48.17	3,377	53 46 25.9	19,045	60
21043	Hydra	8	46 54.38	2,946	106 22 43.3	19,048	281
21044	Ursa Major ..	.	46 54.49	3,423	49 53 0.5	19,048	57
21045	Leo	7	46 54.65	3,075	89 14 37.6	19,048	275
21046	Crater	8	46 54.69	2,966	103 50 0.3	19,048	331
21047	Leo Minor....	8	46 57.36	3,333	57 51 8.2	19,048	151
21048	Leo	8	47 1.90	3,196	73 10 9.9	19,052	332
21049	Hydra	7½	47 8.78	2,909	110 58 4.8	19,055	284
21050	Leo	9	47 11.27	3,172	76 13 1.9	19,055	148
21051	Leo	8	47 18.89	3,268	64 33 30.3	19,059	65
21052	Leo	7½	47 20.53	3,185	74 28 14.3	19,060	222
21053	Leo Minor....	8½	47 20.71	3,328	58 12 28.5	19,060	151
21054	Leo Minor....	8½	47 23.89	3,286	62 32 52.3	19,061	63
21055	Ursa Major ..	9	47 23.93	3,621	37 3 3.4	19,061	354
21056	Ursa Major ..	.	47 24.94	3,420	49 57 0.7	19,062	57
21057	Leo	9	47 27.37	3,149	79 15 44.3	19,063	224
21058	Ursa Major ..	7	47 28.50	3,505	43 43 59.9	19,063	352
21059	Crater	7½	47 30.43	2,996	100 1 22.2	19,065	326
21060	Leo	8½	47 33.67	3,193	73 27 16.1	19,066	222
21061	Leo	8½	47 34.36	3,076	89 6 0.4	19,066	275
21062	Leo	9	47 41.88	3,194	73 15 38.9	19,070	222
21063	Leo	7½	47 44.56	3,148	79 13 55.3	19,071	224
21064	Leo Minor....	8	47 47.20	3,353	55 36 49.5	19,072	228
21065	Ursa Major ..	8	47 49.76	3,483	45 3 29.5	19,073	7
21066	Leo	8	47 50.97	3,240	67 41 35.8	19,073	327
21067	Leo	8	47 51.09	3,245	67 3 50.9	19,074	66
21068	Leo Minor....	9	47 51.11	3,373	53 47 56.1	19,074	60
21069	Leo	8	47 51.21	3,245	67 3 46.7	19,074	150
21070	Leo	6½	47 54.52	3,226	69 18 34.2	19,075	222
21071	Leo	6½	47 56.53	3,242	67 25 24.6	19,076	327
21072	Leo	8	47 56.67	3,242	67 25 23.1	19,076	150
21073	Leo	7	47 56.95	3,242	67 25 26.4	19,076	66
21074	Leo	8½	48 6.21	3,243	67 15 40.5	19,081	327
21075	Leo	8½	48 6.52	3,243	67 15 37.2	19,081	66
21076	Ursa Major ..	8	48 6.73	3,481	45 7 29.6	19,081	7
21077	Leo	9	48 6.88	3,243	67 15 36.0	19,081	150
21078	Hydra	7½	48 11.47	2,912	110 57 11.9	19,083	284
21079	Crater	8	48 12.51	2,987	101 19 21.0	19,083	326
21080	Ursa Major ..	6	10 48 13.51	+3,434	48 30 17.4	+19,084	9

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21081	Leo Minor....	6	^{h m s} 10 48 20.69	+3,381	52° 50' 7.6"	+19,087	56
21082	Leo	8½	48 21.27	3,214	70 42 30.9	19,087	222
21083	Leo	8½	48 21.43	3,210	71 12 35.8	19,088	332
21084	Leo	7½	48 28.18	3,210	71 6 17.3	19,090	222
21085	Leo	7½	48 28.94	3,210	71 6 46.8	19,091	332
21086	Leo	7½	48 30.90	3,090	87 11 56.0	19,092	325
21087	Draco.....	9	48 32.95	4,288	18 36 50.7	19,092	366
21088	Leo Minor....	9	48 34.20	3,299	60 48 21.5	19,093	61
21089	Leo	7½	48 37.24	3,061	91 10 0.3	19,095	277
21090	Leo	7½	48 37.57	3,061	91 9 59.7	19,095	227
21091	Ursa Major ..	5½	48 42.03	3,502	43 24 18.9	19,097	352
21092	Leo	7½	48 44.59	3,192	73 23 29.1	19,098	222
21093	Leo	7½	48 44.64	3,044	93 36 41.8	19,098	321
21094	Leo	8½	48 45.97	3,127	81 59 56.2	19,099	226
21095	Leo Minor....	8½	48 49.87	3,273	63 29 24.7	19,100	65
21096	Ursa Major ..	5½	48 57.33	3,464	46 0 41.4	19,103	7
21097	Leo Minor....	8½	48 59.27	3,272	63 38 26.8	19,104	65
21098	Leo	8	49 1.87	3,251	65 58 58.1	19,106	66
21099	Leo	7	49 5.37	3,149	78 59 57.1	19,107	225
21100	Crater	6	49 7.81	2,933	108 31 54.8	19,108	333
21101	Leo	8	49 9.01	3,129	81 41 58.8	19,109	226
21102	Leo	8½	49 11.27	3,197	72 32 36.4	19,110	332
21103	Leo	7½	49 17.42	3,243	66 54 23.1	19,112	66
21104	Ursa Major ..	6	49 18.25	3,459	46 11 52.6	19,113	7
21105	Crater	8	49 25.23	2,949	106 33 14.6	19,116	281
21106	Hydra	8½	49 27.53	2,935	108 24 48.0	19,117	333
21107	Crater	8	49 30.61	2,975	103 6 8.5	19,118	329
21108	Ursa Major ..	5½	49 35.36	3,412	49 43 1.8	19,120	57
21109	Leo Minor....	8½	49 36.77	3,270	63 36 0.0	19,121	65
21110	Crater	8	49 38.62	2,959	105 17 5.1	19,122	331
21111	Crater	8½	49 38.72	2,954	105 58 10.0	19,122	284
21112	Leo	8	49 41.42	3,108	84 34 34.7	19,123	229
21113	Ursa Major ..	8	49 41.71	3,621	36 13 29.2	19,123	354
21114	Draco.....	7½	49 45.81	4,248	18 53 37.2	19,125	366
21115	Ursa Major ..	7½	49 46.94	3,512	42 21 59.9	19,125	353
21116	Leo	7	49 50.61	3,052	92 24 13.5	19,127	277
21117	Leo Minor....	9	49 51.82	3,305	59 42 41.8	19,128	61
21118	Leo Minor....	9	49 53.62	3,285	61 49 51.1	19,129	63
21119	Crater	7½	49 59.37	2,967	104 21 37.8	19,131	331
21120	Crater α	4	10 50 2.32	+2,945	107 14 9.3	+19,132	281

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21121	Crater α	4	10 50 2,61	+2,945	107 14 13,8	+19,132	333
21122	Leo	8	50 3,94	3,252	65 37 37,7	19,133	66
21123	Leo Minor	8	50 4,47	3,285	61 47 51,1	19,133	63
21124	Crater	8½	50 7,00	3,036	94 44 18,1	19,134	321
21125	Leo	5	50 13,69	3,103	85 18 42,5	19,137	325
21126	Crater	5½	50 15,23	2,977	103 11 43,2	19,138	329
21127	Leo	8½	50 17,47	3,116	83 25 7,8	19,139	229
21128	Crater	7½	50 17,55	2,994	100 42 51,0	19,139	326
21129	Leo	7½	50 18,30	3,103	85 11 27,2	19,139	325
21130	Crater	7	50 19,51	3,010	98 25 17,4	19,139	330
21131	Leo	5	50 22,37	3,120	82 49 36,3	19,141	229
21132	Leo	5	50 22,53	3,120	82 49 36,7	19,141	226
21133	Ursa Major ..	•	50 28,14	3,394	50 55 16,9	19,144	57
21134	Ursa Major ..	8	50 29,53	3,394	50 55 18,3	19,144	56
21135	Leo	9	50 31,52	3,119	82 57 26,9	19,145	226
21136	Ursa Major ..	8	50 36,05	3,378	52 15 10,5	19,147	56
21137	Leo	9	50 41,96	3,114	83 35 40,2	19,149	229
21138	Crater	8	50 42,99	2,988	101 34 13,2	19,150	329
21139	Crater	8	50 44,58	2,992	101 4 1,3	19,151	326
21140	Leo	8½	50 47,97	3,117	83 14 59,6	19,152	229
21141	Leo	7½	50 49,28	3,077	88 52 58,5	19,153	231
21142	Leo	7½	50 49,29	3,077	88 52 58,1	19,153	275
21143	Leo	7½	50 50,92	3,184	73 54 2,9	19,153	222
21144	Crater	7	50 51,06	2,992	101 0 35,1	19,153	326
21145	Crater	6½	50 51,51	2,938	108 16 26,3	19,154	333
21146	Leo Minor	•	50 52,08	3,302	59 42 42,2	19,154	54
21147	Crater	7½	50 53,49	2,989	101 29 20,9	19,154	329
21148	Ursa Major ..	8	50 55,84	3,439	47 4 4,5	19,155	7
21149	Crater	9	51 0,58	3,038	94 37 4,7	19,158	321
21150	Crater	6½	51 1,67	2,966	104 43 10,6	19,158	331
21151	Leo	8	51 5,02	3,202	71 34 9,3	19,159	332
21152	Leo	9	51 8,44	3,060	91 23 31,1	19,161	277
21153	Ursa Major ..	9½	51 12,02	3,601	36 38 48,9	19,162	354
21154	Crater	7	51 12,46	3,009	98 41 55,3	19,162	330
21155	Leo Minor	8½	51 14,59	3,288	61 3 15,7	19,164	54
21156	Ursa Major α	2	51 15,29	3,839	27 10 16,2	19,164	355
21157	Leo	8½	51 17,39	3,218	69 24 48,6	19,165	222
21158	Crater	7	51 26,07	2,993	100 59 15,0	19,169	326
21159	Crater	8	51 28,06	2,988	101 40 31,8	19,169	329
21160	Ursa Major ..	8	10 51 30,17	+3,371	52 35 24,9	+19,170	56

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21161	Crater	9	10 51 35,35	+2,958	105 50 20,8	+19,173	281
21162	Crater	7½	51 36,35	2,958	105 52 11,0	19,173	281
21163	Leo	8	51 36,44	3,251	65 15 10,9	19,173	66
21164	Leo p¹	5	51 37,62	3,060	91 24 32,5	19,173	227
21165	Leo p¹	5	51 37,64	3,060	91 24 38,2	19,173	277
21166	Leo..... b	5	51 37,98	3,223	68 44 58,9	19,173	222
21167	Leo..... b	5½	51 38,20	3,223	68 45 0,9	19,174	327
21168	Crater	8	51 45,96	2,955	106 16 43,3	19,177	281
21169	Ursa Major ..	8½	51 48,00	3,417	48 25 18,1	19,178	9
21170	Leo	8	51 49,48	3,138	80 3 22,9	19,178	224
21171	Ursa Major ..	9	51 49,48	3,362	53 15 1,3	19,178	60
21172	Leo	8	51 54,97	3,136	80 19 6,2	19,181	224
21173	Crater	8	51 56,34	2,935	108 59 4,7	19,181	333
21174	Leo	7½	52 0,41	3,092	86 44 16,2	19,183	325
21175	Hydra	8	52 1,77	2,921	110 46 11,8	19,184	284
21176	Crater	7½	52 1,78	3,009	98 46 54,6	19,184	330
21177	Leo	7	52 6,49	3,140	79 45 17,5	19,186	224
21178	Crater	8	52 11,33	2,968	104 37 8,1	19,188	331
21179	Leo Minor....	7½	52 16,15	3,295	59 59 47,7	19,190	54
21180	Ursa Major ..	7	52 16,28	3,466	44 30 32,0	19,190	7
21181	Leo Minor....	7½	52 16,43	3,295	59 59 49,4	19,190	61
21182	Hydra	8½	52 17,28	2,920	111 4 42,2	19,190	284
21183	Leo	7½	52 18,31	3,076	89 1 16,0	19,191	231
21184	Leo	7½	52 18,36	3,076	89 1 13,5	19,191	275
21185	Ursa Major ..	7½	52 22,04	3,365	52 41 9,1	19,192	56
21186	Hydra	8½	52 22,77	2,922	110 48 34,1	19,193	284
21187	Crater	9	52 24,30	2,969	104 27 27,4	19,193	331
21188	Crater	8½	52 27,81	2,961	105 41 13,1	19,195	281
21189	Crater	6½	52 29,06	3,009	98 55 12,0	19,196	330
21190	Crater	7	52 38,01	3,034	95 19 6,7	19,199	321
21191	Crater	8	52 38,53	3,034	95 19 14,5	19,200	152
21192	Ursa Major ..	7½	52 40,07	3,395	49 57 52,4	19,200	57
21193	Leo Minor....	9	52 41,18	3,325	56 37 18,8	19,200	228
21194	Hydra	6	52 44,19	2,883	115 44 47,5	19,202	286
21195	Leo	7	52 46,25	3,059	91 33 40,7	19,203	277
21196	Crater	8	52 56,57	3,020	97 18 58,9	19,207	330
21197	Leo Minor....	7½	52 56,82	3,265	63 9 5,1	19,207	65
21198	Leo Minor....	6½	52 57,09	3,265	63 9 4,7	19,207	64
21199	Leo Minor....	9	52 58,09	3,343	54 42 7,6	19,208	60
21200	Leo	6½	10 53 0,72	+3,072	89 40 16,0	+19,209	227

No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1800.	Annual Preces.	North Polar Distance, Jan. 1, 1800.	Annual Preces.	Page in H. Cél.
			h m s	s	° ' "	"	
21201	Ursa Major ..	7½	10 53 6,21	+3,326	50 3 26,6	+19,211	57
21202	Leo	8	53 11,01	3,243	65 46 35,6	19,213	66
21203	Crater	5	53 14,95	3,000	100 13 21,2	19,215	326
21204	Leo	7½	53 16,98	3,128	81 20 34,6	19,215	226
21205	Leo	7½	53 18,53	3,136	80 11 46,3	19,216	224
21206	Ursa Major ..	6½	53 21,35	3,384	50 41 1,1	19,217	57
21207	Leo Minor....	8½	53 21,64	3,342	54 34 11,5	19,218	60
21208	Leo p²	6	53 22,35	3,077	88 55 35,4	19,218	275
21209	Leo p²	6	53 22,52	3,077	88 55 36,8	19,218	231
21210	Leo	8	53 29,66	3,144	78 58 33,6	19,221	225
21211	Ursa Major ..	8	53 33,84	3,383	50 40 42,2	19,223	57
21212	Leo	9½	53 37,66	3,171	75 11 32,8	19,224	222
21213	Draco.....	8	53 37,73	4,335	16 47 57,7	19,224	366
21214	Crater	8	53 37,87	2,969	104 49 12,2	19,224	331
21215	Crater	6	53 38,11	2,986	102 21 34,7	19,224	329
21216	Leo	6½	53 39,53	3,101	85 17 12,5	19,225	229
21217	Leo	7½	53 39,74	3,101	85 17 13,2	19,225	229
21218	Leo	7	53 39,95	3,101	85 17 5,5	19,225	325
21219	Leo Minor....	8	53 41,12	3,292	59 45 5,4	19,226	61
21220	Leo Minor....	8	53 41,13	3,292	59 45 4,6	19,226	54
21221	Crater	8	53 44,09	3,025	96 36 28,3	19,227	152
21222	Leo	7½	53 46,71	3,077	88 57 22,0	19,228	231
21223	Leo	8	53 46,78	3,077	89 1 20,6	19,228	275
21224	Ursa Major ..	7½	53 47,42	3,384	50 30 41,1	19,229	57
21225	Crater	7½	53 53,64	3,016	98 5 20,3	19,231	330
21226	Leo	7½	53 57,66	3,112	83 42 5,0	19,233	229
21227	Leo	8	54 0,94	3,112	83 42 2,7	19,234	229
21228	Crater	6	54 5,18	2,942	108 34 27,3	19,236	333
21229	Leo	7	54 5,43	3,068	90 12 7,3	19,236	227
21230	Ursa Major ..	8	54 8,84	3,582	36 30 48,5	19,237	354
21231	Crater	9	54 18,38	2,982	103 5 55,7	19,241	329
21232	Ursa Major ..	8	54 22,20	3,452	44 37 21,4	19,242	352
21233	Leo	7½	54 28,53	3,221	68 7 10,3	19,245	327
21234	Leo	8	54 31,98	3,060	91 26 9,5	19,247	277
21235	Draco.....	9	54 32,29	4,305	16 57 49,5	19,247	366
21236	Leo	9	54 33,68	3,070	89 52 48,6	19,247	227
21237	Leo Minor....	8	54 33,77	3,256	63 43 4,8	19,247	65
21238	Leo	7	54 33,93	3,049	93 8 22,8	19,247	321
21239	Leo Minor....	9	54 34,92	3,288	59 56 42,0	19,248	54
21240	Ursa Major ..	8½	10 54 39,72	+3,379	50 31 40,2	+19,250	57

No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1800.	Annual Preces.	North Polar Distance, Jan. 1, 1800.	Annual Preces.	Page in H.Cel.
			h m s	s	° ' "	"	
21241	Crater	8	10 54 40.19	+2,977	103 51 5.7	+19,250	331
21242	Leo χ	4½	54 41.86	3,125	81 35 7.1	19,251	226
21243	Hydra	8	54 43.77	2,933	110 2 56.6	19,251	284
21244	Ursa Major ..	8½	54 45.80	3,345	53 43 24.0	19,252	60
21245	Crater	8½	54 50.69	2,968	105 10 25.5	19,254	281
21246	Crater	8	54 54.56	2,999	100 40 46.0	19,256	326
21247	Ursa Major ..	8½	54 55.93	3,394	49 7 5.0	19,257	9
21248	Leo Minor	8	54 55.95	3,295	58 55 21.4	19,257	62
21249	Ursa Major ..	8½	55 1.38	3,599	35 14 32.6	19,259	354
21250*	Draco.....	9	55 3.01	4,302	16 52 42.7	19,259	366
21251	Leo	9	55 5.60	3,205	70 5 5.6	19,261	222
21252	Crater	9	55 9.91	2,983	103 8 21.9	19,262	329
21253	Crater	8½	55 10.52	3,034	95 25 44.1	19,262	152
21254	Crater	8	55 13.08	3,009	99 12 50.1	19,263	330
21255	Ursa Major ..	8	55 24.09	3,444	44 48 25.8	19,268	352
21256	Ursa Major ..	.	55 27.46	3,358	52 13 57.1	19,270	56
21257	Crater	6	55 32.00	3,004	100 0 20.6	19,271	326
21258	Ursa Major ..	8½	55 32.46	3,435	45 27 0.1	19,271	7
21259	Crater	9	55 33.23	3,042	94 18 59.1	19,272	321
21260	Hydra..... χ^1	5	55 42.10	2,887	116 12 47.1	19,275	286
21261	Leo	9	55 44.33	3,122	81 53 6.7	19,276	226
21262	Leo	7½	55 46.20	3,084	87 42 41.0	19,277	275
21263	Leo	7½	55 46.24	3,084	87 42 43.0	19,277	231
21264	Leo	7½	55 46.69	3,123	81 47 9.5	19,277	226
21265	Crater	9	55 53.34	3,042	94 18 6.0	19,280	321
21266	Ursa Major ..	.	55 57.13	3,356	52 8 0.1	19,282	56
21267	Ursa Major ..	8	55 57.27	3,356	52 11 5.2	19,282	56
21268	Crater	8½	55 58.73	3,031	95 55 42.7	19,282	152
21269	Crater	7½	56 0.19	2,940	109 19 42.1	19,282	333
21270	Crater	8	56 1.95	3,004	100 6 40.0	19,283	326
21271	Leo	6½	56 6.65	3,195	71 10 56.0	19,285	222
21272	Leo	6	56 7.66	3,195	71 10 59.8	19,286	332
21273	Crater	8½	56 9.08	2,972	104 54 27.7	19,286	331
21274	Leo	7	56 10.26	3,178	73 34 18.0	19,286	223
21275	Leo Minor	7½	56 10.72	3,255	63 11 31.2	19,287	64
21276	Crater	8½	56 13.92	2,984	103 3 52.7	19,288	329
21277	Leo	7	56 15.44	3,215	68 26 18.6	19,289	327
21278	Hydra..... χ^2	6	56 16.26	2,889	116 12 16.1	19,289	286
21279	Ursa Major ..	8	56 17.68	3,353	52 19 13.3	19,290	56
21280	Leo	7½	10 56 18.23	+3,089	87 2 27.6	+19,290	275

No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1800.	Annual Preces.	North Polar Distance, Jan. 1, 1800.	Annual Preces.	Page in H.Cat.
			h m s	s	° ' "	"	
21281	Leo Minor	6½	10 56 18,36	+3,254	63 23 1,5	+19,190	64
21282	Leo Minor	6½	56 18,43	3,254	63 23 0,8	19,290	65
21283	Leo	7½	56 18,44	3,089	87 2 22,1	19,290	325
21284	Leo	7½	56 19,76	3,111	83 29 30,9	19,290	229
21285	Leo	7½	56 20,33	3,111	83 29 31,6	19,291	229
21286	Ursa Major ..	9	56 23,27	3,335	54 4 42,5	19,292	60
21287	Leo	9	56 27,35	3,129	80 48 45,7	19,294	224
21288	Leo	8	56 29,42	3,120	82 13 22,3	19,294	226
21289	Crater	7	56 30,99	2,990	102 20 19,7	19,295	329
21290	Crater	7½	56 31,12	2,969	105 27 4,1	19,295	281
21291	Leo	8½	56 31,65	3,219	67 48 27,1	19,295	327
21292	Leo	9½	56 32,26	3,177	73 42 13,2	19,295	223
21293	Leo	9	56 40,39	3,175	73 54 10,4	19,299	223
21294	Crater	6	56 41,47	2,993	101 55 19,5	19,299	329
21295	Leo <i>p</i> ³	5½	56 41,81	3,089	86 57 40,9	19,299	325
21296	Leo <i>p</i> ³	6	56 42,22	3,089	86 57 41,5	19,299	275
21297	Crater	9	56 42,65	2,974	104 45 27,0	19,300	331
21298	Crater	7	56 44,35	2,936	110 5 19,1	19,300	284
21299	Leo	7	56 46,08	3,142	78 42 31,5	19,301	225
21300	Leo	7	56 49,38	3,218	67 46 11,1	19,302	327
21301	Leo	8	56 49,60	3,225	66 52 7,2	19,302	66
21302	Leo	6½	56 55,50	3,234	65 35 51,0	19,305	66
21303	Leo	6½	56 55,73	3,234	65 35 53,1	19,305	65
21304	Leo	8	56 55,80	3,161	75 54 25,8	19,305	148
21305	Ursa Major ..	8½	57 2,95	3,417	46 14 48,0	19,308	7
21306	Crater	7½	57 6,47	3,012	98 58 36,4	19,309	330
21307	Leo	8	57 7,56	3,164	75 25 2,1	19,309	148
21308	Leo	9	57 9,76	3,114	83 2 37,1	19,310	226
21309	Ursa Major ..	8½	57 9,83	3,368	50 29 44,5	19,310	57
21310	Crater	8	57 10,30	2,976	104 28 15,8	19,310	331
21311	Ursa Major ..	8	57 13,07	3,348	52 27 52,5	19,312	56
21312	Crater	8½	57 14,07	2,989	102 34 49,8	19,312	329
21313	Ursa Major ..	.	57 14,62	3,363	50 55 55,9	19,312	57
21314	Crater	8½	57 23,43	3,033	95 44 1,7	19,316	334
21315	Crater	7	57 27,56	2,978	104 17 22,9	19,317	331
21316	Ursa Major ..	8½	57 33,18	3,330	54 12 13,6	19,319	60
21317	Leo	7½	57 40,43	3,134	79 53 46,2	19,322	224
21318	Leo	8	57 44,14	3,216	67 52 35,2	19,324	327
21319	Leo	8	57 47,15	3,216	67 50 8,1	19,325	327
21320	Leo	8	10 57 50,99	+3,118	82 20 42,6	+19,326	226

No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1800.	Annual Preces.	North Polar Distance, Jan. 1, 1800.	Annual Preces.	Page in H.Cal.
			h m s	s	° ' "	"	
21321	Crater	9	10 57 52.32	+2,983	103 33 24.5	+19,327	331
21322	Leo	7½	57 54.58	3,099	85 23 7.8	19,328	325
21323	Leo	8½	58 0.39	3,104	84 27 35.3	19,330	229
21324	Leo	6½	58 3.57	3,065	90 49 19.0	19,331	227
21325	Leo	6	58 3.63	3,065	90 49 20.1	19,331	277
21326	Leo	7½	58 3.68	3,124	81 17 18.3	19,331	224
21327	Leo	5½	58 4.02	3,242	64 15 39.8	19,332	65
21328	Leo	6½	58 6.20	3,188	71 42 38.5	19,332	332
21329	Leo Minor....	8½	58 6.42	3,268	60 56 2.1	19,332	61
21330	Leo	7½	58 9.05	3,096	85 41 47.4	19,334	325
21331	Leo Minor....	7½	58 9.98	3,285	58 52 41.8	19,334	62
21332	Leo Minor....	7½	58 10.17	3,285	58 52 45.4	19,334	54
21333	Leo	8	58 16.69	3,064	90 59 12.5	19,337	227
21334	Leo	7	58 16.75	3,064	90 59 13.6	19,337	277
21335	Ursa Major ..	6	58 16.97	3,342	52 36 31.8	19,337	56
21336	Ursa Major ψ	3½	58 21.28	3,432	44 25 14.0	19,338	352
21337	Crater	7½	58 21.86	2,937	110 26 24.9	19,338	284
21338	Ursa Major ..	5½	58 23.83	3,416	45 42 36.8	19,339	7
21339	Leo	8	58 24.29	3,173	73 42 25.4	19,339	223
21340	Draco.....	9	58 33.98	4,205	17 19 29.2	19,343	366
21341	Crater	8½	58 37.88	2,978	104 28 48.9	19,345	331
21342	Crater	9½	58 38.01	2,943	109 42 24.3	19,345	284
21343	Ursa Major ..	8½	58 46.22	3,326	54 0 34.8	19,348	60
21344	Crater	7½	58 52.54	2,948	108 58 33.0	19,350	333
21345	Ursa Major ..	7½	59 0.41	3,303	56 23 13.3	19,354	59
21346	Leo p ⁴	6½	59 0.92	3,068	90 15 3.9	19,354	227
21347	Ursa Major ..	7	59 1.42	3,472	41 7 24.8	19,354	353
21348	Crater	6	59 4.77	2,953	108 20 6.1	19,355	333
21349	Crater	9	59 5.24	3,006	100 17 18.8	19,355	326
21350	Leo	8½	59 9.41	3,177	73 3 2.1	19,357	332
21351	Leo	8	59 9.89	3,172	73 47 28.6	19,357	223
21352	Ursa Major ..	8	59 12.27	3,328	53 35 0.5	19,358	60
21353	Crater	8	59 14.73	2,946	109 25 56.4	19,359	284
21354	Crater	7	59 17.58	3,004	100 35 46.0	19,360	326
21355	Draco.....	9	59 19.48	4,193	17 18 15.5	19,361	366
21356	Ursa Major ..	6	59 23.37	3,411	45 42 38.2	19,362	9
21357	Ursa Major ..	8	59 23.71	3,401	46 29 37.6	19,362	7
21358	Leo	7½	59 26.07	3,091	86 27 48.0	19,363	325
21359	Leo	8	59 26.29	3,168	74 12 22.1	19,363	223
21360	Leo	7	10 59 30.91	+3,176	73 0 17.0	+19,365	332

No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1800.	Annual Preces.	North Polar Distance, Jan. 1, 1800.	Annual Preces.	Page in H.Cél.
			h m s	s	° ' "	"	
21361	Leo	7½	10 59 38,62	+3,223	66 12 55,1	+19,368	66
21362	Leo	9	59 40,24	3,159	75 38 41,8	19,369	148
21363	Leo Minor....	8½	59 41,30	3,282	58 33 44,8	19,369	62
21364	Ursa Major ..	9	59 42,06	3,351	50 59 6,2	19,369	57
21365	Leo Minor....	9½	59 42,67	3,251	62 24 18,1	19,370	64
21366	Leo Minor....	9	59 53,79	3,240	63 47 4,7	19,374	65
21367	Leo	7½	10 59 58,08	3,145	77 45 1,7	19,375	225
21368	Leo Minor....	8½	11 0 3,85	3,282	58 27 35,8	19,378	62
21369	Leo Minor....	9	0 4,36	3,282	58 25 25,7	19,378	62
21370	Leo	7	0 6,92	3,124	81 1 30,1	19,378	224
21371	Leo	7	0 9,47	3,145	77 37 0,3	19,379	225
21372	Crater	7½	0 9,54	3,007	100 16 20,8	19,379	326
21373	Crater	7½	0 9,80	3,032	96 17 45,3	19,380	152
21374	Leo Minor....	.	0 10,07	3,248	62 38 52,4	19,380	64
21375	Crater	6½	0 10,22	3,032	96 17 47,4	19,380	334
21376	Leo	8½	0 11,73	3,157	75 47 59,0	19,380	148
21377	Leo	6½	0 13,16	3,212	67 34 51,9	19,381	327
21378	Crater	9	0 15,79	2,989	103 13 27,1	19,382	331
21379	Draco.....	9	0 16,30	4,169	17 24 27,2	19,382	366
21380	Crater	9	0 16,31	2,989	103 13 13,5	19,382	329
21381	Leo	8	0 18,71	3,193	70 13 20,1	19,383	228
21382	Leo	9	0 21,21	3,145	77 41 58,4	19,384	225
21383	Ursa Major ..	8	0 21,85	3,346	51 13 6,5	19,384	57
21384	Leo Minor....	8½	0 21,97	3,246	62 53 6,6	19,384	64
21385	Ursa Major ..	9	0 22,17	3,346	51 13 10,9	19,384	56
21386	Crater	7½	0 24,83	3,022	97 56 18,3	19,385	330
21387	Ursa Major ..	8	0 26,83	3,401	46 5 3,4	19,386	7
21388*	Crater	8	0 27,94	3,019	98 19 56,5	19,387	330
21389	Ursa Major ..	6½	0 38,01	3,400	46 4 14,5	19,390	7
21390	Crater	9	0 40,56	2,968	106 29 0,2	19,391	281
21391	Draco.....	8	0 45,89	4,178	17 8 24,3	19,393	366
21392	Crater	8	0 49,02	2,997	102 1 52,7	19,395	329
21393	Leo Minor....	8	0 55,05	3,250	62 5 7,2	19,397	54
21394	Leo Minor....	.	0 55,28	3,250	62 5 3,0	19,397	64
21395	Leo	9	0 58,29	3,126	80 38 56,7	19,398	224
21396	Crater	7½	0 59,63	3,042	94 43 15,4	19,398	321
21397	Crater	8	1 2,04	3,009	100 10 58,5	19,399	326
21398	Leo	8	1 2,89	3,097	85 24 5,9	19,400	325
21399	Leo	8½	1 3,74	3,190	70 32 43,6	19,400	228
21400	Ursa Major ..	8	11 1 5,20	+3,317	53 54 30,1	+19,400	60

No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1800.			Annual Preces.	North Polar Distance, Jan. 1, 1800.	Annual Preces.	Page in H.Cél.
			h	m	s	s			
21401	Leo	7½	11	1	6.42	+3,068	90° 18' 38.1	+19,401	227
21402	Ursa Major ..	9		1	6.98	3,862	23 12 32.6	19,401	355
21403	Leo	7½		1	7.31	3,044	94 23 6.5	19,401	321
21404	Leo	8		1	11.93	3,062	91 22 1.7	19,403	277
21405	Crater	8		1	12.31	2,972	106 2 53.9	19,403	281
21406	Leo	6		1	13.39	3,164	74 30 48.6	19,403	223
21407	Ursa Major ..	8		1	14.24	3,334	52 1 22.7	19,404	56
21408	Ursa Major ..	9		1	14.73	3,296	56 18 2.4	19,404	59
21409	Leo	9		1	14.79	3,126	80 36 1.6	19,404	224
21410	Leo	8½		1	16.45	3,091	86 22 44.8	19,404	325
21411	Ursa Major ..	7½		1	26.10	3,314	54 7 42.3	19,408	60
21412	Leo Minor....	8½		1	27.21	3,275	58 41 45.2	19,408	62
21413	Leo	8½		1	27.40	3,070	90 0 58.7	19,408	227
21414	Crater	8		1	29.52	3,017	98 48 37.1	19,409	330
21415	Draco.....	8		1	31.87	4,180	16 54 23.6	19,410	366
21416	Leo	9		1	33.42	3,214	66 51 30.0	19,411	66
21417	Leo	8		1	34.08	3,163	74 36 18.8	19,411	223
21418	Ursa Major ..	6½		1	36.68	3,323	53 5 31.6	19,412	56
21419	Ursa Major ..	7½		1	36.98	3,322	53 10 31.6	19,412	60
21420	Leo	8½		1	43.18	3,142	77 48 55.7	19,414	225
21421	Ursa Major ..	7½		1	45.68	3,322	53 5 6.6	19,416	56
21422	Leo	8		1	46.33	3,232	64 15 52.5	19,416	65
21423	Ursa Major ..	8		1	46.48	3,321	53 10 3.6	19,416	60
21424	Ursa Major ..	9		1	47.45	3,434	42 41 35.7	19,416	353
21425	Leo .....	.		1	48.73	3,155	75 41 46.1	19,416	148
21426	Crater β	4		1	50.31	2,936	111 44 10.2	19,417	284
21427	Crater β	3½		1	50.40	2,936	111 44 10.7	19,417	286
21428	Crater	8		1	50.66	3,018	98 47 49.1	19,417	330
21429	Leo	8		2	0.92	3,069	90 5 31.8	19,421	227
21430	Ursa Major ..	8½		2	0.96	3,531	35 58 46.6	19,421	354
21431	Crater	7½		2	2.15	2,954	109 3 50.7	19,421	333
21432	Leo	9		2	3.31	3,191	70 1 46.1	19,422	228
21433	Crater	8		2	5.93	2,992	103 2 22.8	19,423	329
21434	Crater	8		2	6.28	2,992	103 2 27.3	19,423	331
21435	Crater	8		2	8.35	3,020	98 24 0.8	19,424	330
21436	Leo	8½		2	17.39	3,134	79 2 56.5	19,427	225
21437	Leo Minor....	8		2	20.84	3,248	61 51 42.2	19,428	54
21438	Leo Minor....	7½		2	21.34	3,248	61 51 39.0	19,429	64
21439	Crater	7		2	22.38	3,017	99 3 34.9	19,429	330
21440	Ursa Major ..	7	11	2	26.60	+3,298	55 28 4.8	+19,430	59

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21441	Leo	8	11	2	30.10	+3,078	88 33 52.3	+19,432	231
21442	Ursa Major ..	7½		2	31.89	3,248	61 44 12.9	19,432	64
21443	Ursa Major ..	7½		2	31.89	3,248	61 44 13.2	19,432	54
21444	Ursa Major ..	6½		2	32.66	3,370	47 49 2.4	19,433	9
21445	Crater	5		2	35.92	2,966	107 24 48.4	19,434	333
21446	Leo	8		2	36.20	3,077	88 41 38.5	19,434	231
21447	Leo	8		2	37.64	3,046	94 1 57.8	19,434	151
21448	Crater	8		2	43.37	2,965	107 35 26.5	19,436	333
21449	Crater	6½		2	43.90	2,945	110 39 55.1	19,437	284
21450	Crater	7		2	48.95	2,994	102 50 44.1	19,438	329
21451	Crater	6½		2	49.00	2,994	102 50 48.5	19,438	331
21452	Leo	8		2	52.08	3,137	78 27 55.6	19,439	225
21453	Ursa Major ..	8		2	54.64	3,357	48 55 40.3	19,440	9
21454	Leo	8		2	54.66	3,068	90 18 51.4	19,440	227
21455	Leo	8		2	57.64	3,102	84 25 44.1	19,442	229
21456	Ursa Major ..	8		2	58.01	3,524	35 57 53.8	19,442	354
21457	Ursa Major ..	8		2	59.20	3,232	63 48 26.3	19,442	65
21458	Leo	7		3	9.61	3,197	68 46 40.1	19,446	327
21459	Leo	8		3	14.32	3,122	80 58 1.3	19,447	224
21460	Crater	9		3	17.25	2,996	102 43 6.5	19,449	329
21461	Leo δ	2½		3	26.84	3,199	68 22 55.7	19,452	327
21462	Leo δ	2½		3	27.35	3,199	68 22 58.4	19,452	228
21463	Leo	9		3	28.04	3,110	82 58 26.1	19,452	226
21464	Leo p ^b	5½		3	31.31	3,075	88 58 59.5	19,454	227
21465	Leo p ^b	5½		3	31.38	3,075	88 59 0.0	19,454	231
21466	Ursa Major ..	8		3	33.90	3,389	45 34 33.5	19,455	7
21467	Leo	6		3	36.64	3,089	86 39 35.5	19,455	325
21468	Leo	6		3	37.05	3,122	80 50 48.2	19,455	224
21469	Ursa Major ..	7½		3	39.71	3,801	24 0 9.7	19,456	355
21470	Leo θ	3		3	43.97	3,166	73 28 44.5	19,458	223
21471	Leo..... θ	.		3	44.03	3,166	73 28 48.4	19,458	148
21472	Leo..... θ	3		3	44.05	3,166	73 28 45.6	19,458	332
21473	Leo	7½		3	47.85	3,195	68 52 56.2	19,459	327
21474	Crater	8		3	49.89	3,017	99 10 55.3	19,460	330
21475	Ursa Major ..	8½		3	51.14	3,233	63 12 21.8	19,460	65
21476	Ursa Major ..	7½		3	51.42	3,233	63 12 14.4	19,461	64
21477	Crater	8		3	51.83	2,939	111 54 42.4	19,461	286
21478	Leo	9½		3	53.51	3,166	73 23 51.4	19,461	223
21479	Ursa Major ..	8		3	53.52	3,407	43 50 51.5	19,462	352
21480	Leo	8	11	3	57.95	+3,110	82 56 28.1	+19,463	226

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21481	Leo	7	11	3	59.69	+3,100	84 36 51.4	+19,463	229
21482	Crater	8		4	0.44	3,003	101 42 32.5	19,464	329
21483	Ursa Major ..	7½		4	2.72	3,328	51 20 1.0	19,465	57
21484	Ursa Major ..	8		4	3.56	3,328	51 20 1.4	19,465	56
21485	Leo	8½		4	5.05	3,081	88 1 32.4	19,465	231
21486	Crater	6½		4	6.29	3,029	97 14 24.1	19,466	330
21487	Leo	7½		4	12.03	3,110	82 55 11.1	19,468	226
21488	Crater	7½		4	14.27	2,987	104 20 52.5	19,469	331
21489	Ursa Major ..	9		4	15.03	3,288	55 54 55.4	19,469	59
21490	Leo	9		4	17.00	3,138	78 11 29.2	19,470	225
21491	Ursa Major ..	7½		4	19.32	3,227	63 55 34.5	19,471	65
21492	Leo	6½		4	23.44	3,069	90 10 52.2	19,472	227
21493	Ursa Major ..	7		4	28.38	3,509	36 8 36.3	19,474	354
21494	Ursa Major ..	8		4	28.55	3,373	46 34 18.4	19,474	7
21495	Ursa Major ..	8		4	28.71	3,275	57 18 52.8	19,474	59
21496	Ursa Major ..	9		4	28.89	3,275	57 18 52.4	19,474	62
21497	Ursa Major ..	9		4	29.04	3,413	43 3 24.5	19,474	353
21498	Leo	5		4	32.63	3,214	65 48 59.3	19,475	66
21499	Ursa Major ..	8		4	35.76	3,245	61 20 28.3	19,476	61
21500	Ursa Major ..	7½		4	36.50	3,245	61 20 26.8	19,476	64
21501	Ursa Major ..	8		4	39.55	3,310	53 3 57.9	19,477	56
21502	Ursa Major ..	8		4	44.51	3,373	46 27 43.4	19,479	7
21503	Leo	7½		4	55.17	3,162	73 47 52.0	19,483	223
21504	Leo	9		4	55.65	3,138	77 57 56.2	19,483	225
21505	Ursa Major ..	8½		4	56.97	3,298	54 18 7.9	19,484	60
21506	Leo	8		5	0.49	3,087	86 50 30.9	19,485	325
21507	Crater	9		5	1.38	3,007	101 12 18.5	19,485	329
21508	Ursa Major ..	9		5	4.99	3,352	48 22 47.1	19,486	9
21509	Crater	9		5	11.33	2,964	108 30 57.4	19,489	333
21510	Leo	7		5	19.65	3,100	84 25 35.5	19,491	229
21511	Crater	6½		5	23.86	2,964	108 32 56.5	19,493	333
21512	Ursa Major ..	8		5	24.95	3,368	46 33 22.6	19,493	7
21513	Ursa Major ..	9		5	25.39	3,272	57 17 27.8	19,494	59
21514	Ursa Major ..	9½		5	25.73	3,272	57 18 18.6	19,494	61
21515	Crater	9		5	28.45	3,042	95 3 45.1	19,495	334
21516	Leo	6½		5	29.12	3,147	76 17 46.3	19,495	148
21517	Leo	6½		5	30.22	3,148	76 3 49.1	19,495	148
21518	Crater	8		5	32.08	3,007	101 11 15.4	19,496	329
21519	Crater	6½		5	37.26	3,006	101 30 13.7	19,498	329
21520	Ursa Major ..	9	11	5	40.92	+3,240	61 29 18.1	+19,499	64

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21521	Crater	8	11 5 42,92	+2,984	105 20 50,1	+19,499	331
21522	Crater	8½	5 42,94	2,984	105 15 51,5	19,499	232
21523	Ursa Major ..	8½	5 46,35	3,319	51 31 5,7	19,501	56
21524	Crater	7½	5 52,82	2,944	111 49 41,9	19,503	286
21525	Leo	6½	5 59,66	3,057	92 23 4,6	19,505	277
21526	Leo	8	5 59,74	3,057	92 23 2,4	19,505	150
21527	Leo	9	6 14,57	3,154	74 48 8,3	19,510	223
21528	Crater	7½	6 22,08	2,959	109 36 7,3	19,513	284
21529	Ursa Major ..	9	6 22,78	3,742	24 44 52,1	19,513	355
21530	Leo	8	6 25,18	3,054	92 52 36,6	19,514	150
21531	Ursa Major ..	8½	6 25,98	3,294	54 3 59,9	19,514	60
21532	Leo ϕ	4	6 29,83	3,055	92 33 40,1	19,516	277
21533	Leo ϕ	4	6 29,93	3,056	92 33 35,9	19,516	150
21534	Ursa Major ..	9	6 30,94	3,253	59 20 24,9	19,516	61
21535	Leo	9	6 39,86	3,048	94 3 42,8	19,519	151
21536	Crater	9	6 44,05	3,007	101 34 48,1	19,520	329
21537*	Leo	8½	6 44,34	3,170	71 57 19,8	19,520	332
21538	Leo	8½	6 46,63	3,206	66 4 53,0	19,521	66
21539	Crater	7	6 48,59	2,996	103 25 3,3	19,522	331
21540	Crater	6	6 50,89	3,037	96 2 39,9	19,522	334
21541	Ursa Major ..	8½	6 52,17	3,346	48 4 20,2	19,523	9
21542	Crater	8½	6 55,11	3,037	96 2 52,9	19,524	334
21543	Ursa Major ..	8	7 0,46	3,223	63 26 55,4	19,526	65
21544	Ursa Major ..	7	7 0,46	3,236	61 32 45,3	19,526	64
21545	Ursa Major ..	7½	7 0,66	3,236	61 32 53,8	19,526	61
21546	Ursa Major ..	7½	7 4,47	3,220	63 51 28,9	19,527	65
21547	Ursa Major ..	8	7 5,55	3,296	53 27 58,6	19,528	56
21548	Ursa Major ..	8½	7 5,82	3,296	53 28 0,4	19,528	60
21549	Draco.....	9	7 8,39	4,013	17 57 38,2	19,528	366
21550	Leo	7½	7 15,99	3,098	84 35 11,6	19,531	229
21551	Ursa Major ..	9	7 16,06	3,277	55 49 16,8	19,531	59
21552	Ursa Major ..	6	7 22,40	3,358	46 35 24,8	19,533	7
21553	Leo	7	7 24,40	3,200	66 43 41,7	19,533	66
21554	Ursa Major . ξ	4½	7 29,29	3,264	57 20 49,1	19,535	59
21555	Ursa Major . ξ	4½	7 29,65	3,264	57 20 47,8	19,536	63
21556	Crater	8	7 34,59	2,961	109 40 31,9	19,537	284
21557	Ursa Major . γ	4½	7 38,34	3,275	55 48 56,8	19,538	59
21558	Ursa Major ..	8½	7 39,06	3,379	44 21 46,6	19,538	352
21559	Ursa Major ..	9	7 43,35	3,219	63 40 28,8	19,540	65
21560	Leo	8	11 7 44,33	+3,162	72 55 55,9	+19,540	332

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21561	Ursa Major ..	7	11	7	53.67	+3,293	53 25 10.7	+19,543	56
21562	Crater	8		7	54.16	2,954	111 3 8.9	19,543	286
21563	Ursa Major ..	7½		7	54.43	3,293	53 25 10.4	19,543	60
21564	Crater	7½		7	54.48	2,954	111 3 12.4	19,543	284
21565	Leo	7		8	1.31	3,049	93 58 6.4	19,546	151
21566	Leo	7½		8	7.92	3,165	72 26 36.4	19,548	332
21567	Ursa Major ..	5		8	11.28	3,315	50 43 10.9	19,550	57
21568	Leo	8		8	11.59	3,132	78 18 38.9	19,550	225
21569	Crater	9		8	19.17	3,035	96 38 8.6	19,551	334
21570	Leo	7½		8	26.09	3,131	78 18 38.9	19,554	225
21571	Leo	7		8	30.57	3,152	74 37 51.3	19,556	223
21572	Draco.....	9		8	34.20	4,032	17 10 58.7	19,556	366
21573	Crater	9½		8	36.51	3,039	95 49 3.1	19,557	152
21574	Crater	8½		8	37.79	3,022	99 2 20.0	19,558	330
21575	Leo	6½		8	38.71	3,084	87 15 12.7	19,558	325
21576	Leo	6		8	38.96	3,084	87 15 16.2	19,558	231
21577	Leo	8		8	43.01	3,126	79 9 28.1	19,560	225
21578	Ursa Major ..	7½		8	44.23	3,269	56 5 8.0	19,560	59
21579	Ursa Major ..	7		8	45.33	3,311	50 48 11.1	19,560	57
21580	Hydra	7		8	45.77	2,942	113 15 1.1	19,561	286
21581	Leo	9½		8	49.90	3,084	87 12 21.1	19,562	231
21582	Leo	7		9	0.14	3,188	68 10 55.6	19,565	327
21583	Leo	10		9	11.43	3,045	94 50 12.7	19,569	151
21584	Leo	9		9	11.70	3,067	90 33 17.4	19,569	227
21585	Leo	9		9	11.80	3,127	78 58 33.0	19,569	225
21586	Leo	7½		9	12.40	3,067	90 33 15.5	19,569	227
21587	Crater	8½		9	14.94	3,036	96 28 49.3	19,570	334
21588	Leo	8½		9	17.66	3,177	69 49 33.4	19,570	228
21589	Crater δ	4		9	21.04	2,998	103 41 53.7	19,572	331
21590	Crater δ	4		9	21.09	2,998	103 41 50.9	19,572	329
21591	Ursa Major ..	8½		9	25.39	3,247	58 47 10.2	19,573	63
21592	Ursa Major ..	7½		9	25.73	3,374	43 54 23.5	19,573	352
21593	Leo	8½		9	26.25	3,094	85 17 8.9	19,573	325
21594	Ursa Major ..	8		9	26.80	3,235	60 35 53.3	19,574	61
21595	Ursa Major ..	8½		9	28.07	3,357	45 30 33.3	19,574	7
21596	Leo	9		9	28.56	3,098	84 28 28.7	19,574	229
21597	Leo	7½		9	29.80	3,194	66 59 31.3	19,575	66
21598	Leo	7½		9	29.92	3,194	66 59 24.4	19,575	327
21599	Crater	8		9	32.34	2,961	110 20 30.2	19,575	284
21600	Crater	9	11	9	36.50	+3,040	95 48 19.2	+19,577	152

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21601	Leo	7	11 9 38.04	+3,166	71 47 21.6	+19,577	332
21602	Leo	8	9 42.54	3,163	72 10 1.1	19,579	332
21603	Crater	8½	9 51.55	2,965	109 53 18.7	19,581	284
21604	Leo	6½	9 55.62	3,166	71 35 40.4	19,583	332
21605	Ursa Major ..	8½	9 56.57	3,257	57 10 19.3	19,583	59
21606	Ursa Major ..	9	9 56.91	3,257	57 10 15.0	19,583	63
21607	Crater	9	9 57.54	3,019	100 0 14.2	19,583	326
21608	Leo	9	9 57.58	3,203	65 17 13.7	19,583	54
21609	Leo	9	9 58.60	3,203	65 17 16.5	19,584	65
21610	Leo	8	10 0.13	3,077	88 38 0.0	19,584	231
21611	Crater	8	10 6.30	3,030	97 46 16.0	19,586	330
21612	Crater	8½	10 9.13	2,999	103 40 27.5	19,587	331
21613	Crater	8	10 10.94	3,004	102 47 33.1	19,588	329
21614	Leo	8½	10 11.75	3,066	90 42 19.8	19,588	227
21615	Crater	8½	10 13.73	2,973	108 28 52.4	19,589	333
21616	Leo	9	10 19.86	3,061	91 48 10.6	19,590	150
21617	Leo	7½	10 24.87	3,185	68 2 50.5	19,592	327
21618	Crater	6	10 26.98	3,023	99 12 1.5	19,593	330
21619	Crater	9	10 28.60	2,968	109 34 58.5	19,593	284
21620	Leo	8	10 30.62	3,089	86 2 37.4	19,593	325
21621	Leo	9	10 32.62	3,132	77 41 16.2	19,594	225
21622	Leo	9	10 33.78	3,170	71 2 14.7	19,595	228
21623	Ursa Major ..	7	10 37.23	3,323	48 28 17.0	19,596	9
21624	Ursa Major ..	8	10 37.78	3,283	53 15 33.8	19,596	56
21625	Ursa Major ..	8	10 38.69	3,283	53 15 35.6	19,596	60
21626	Leo	7	10 39.58	3,087	86 28 53.2	19,597	325
21627	Ursa Major ..	8	10 39.62	3,321	48 37 21.1	19,597	9
21628	Leo	9	10 40.07	3,139	76 20 42.9	19,597	148
21629	Leo	6½	10 40.11	3,100	84 1 24.0	19,597	229
21630	Leo	9	10 47.62	3,132	77 39 38.2	19,599	225
21631	Ursa Major ..	8½	10 48.91	3,256	56 51 47.1	19,599	59
21632	Leo	σ 4	10 49.13	3,105	82 52 35.6	19,599	226
21633	Leo	σ 4½	10 49.19	3,105	82 52 36.2	19,599	229
21634	Ursa Major ..	6½	10 50.40	3,692	24 34 32.7	19,600	355
21635	Crater	9	10 58.38	3,041	95 47 43.3	19,602	334
21636	Ursa Major ..	8½	11 0.36	3,275	54 2 41.4	19,603	60
21637	Hydra	9	11 0.83	2,954	112 6 42.4	19,603	286
21638	Leo	7½	11 5.91	3,053	93 16 21.8	19,605	151
21639	Crater	8	11 6.42	3,004	102 59 22.9	19,605	329
21640	Leo	7	11 11 9.63	+3,108	82 16 14.7	+19,606	226

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21641	Ursa Major ..	8	11 11 15.05	+3,278	53 34 14.0	+19,608	60
21642	Leo	8	11 20.00	3,168	70 42 42.4	19,609	228
21643	Ursa Major ..	9	11 25.97	3,302	50 23 48.0	19,611	57
21644	Crater	9	11 27.79	2,971	109 21 13.9	19,611	284
21645	Crater	8	11 29.05	3,012	101 36 27.3	19,612	329
21646	Leo	8½	11 31.19	3,075	88 52 55.7	19,612	231
21647	Leo	8	11 33.71	3,075	88 57 30.8	19,613	231
21648	Leo	8	11 37.78	3,047	94 37 25.4	19,614	151
21649	Leo	8½	11 43.18	3,075	88 51 12.6	19,616	231
21650	Ursa Major ..	9½	11 43.89	3,218	62 2 12.3	19,616	64
21651	Ursa Major ..	9	11 45.26	3,233	59 38 26.8	19,617	61
21652	Ursa Major ..	7	11 45.87	3,315	48 43 45.4	19,617	9
21653	Ursa Major ..	9	11 48.03	3,358	44 4 49.0	19,617	352
21654*	Ursa Major ..	5	11 48.22	3,344	45 30 18.5	19,618	7
21655	Crater	9	11 50.30	2,971	109 24 42.2	19,618	284
21656	Ursa Major ..	8	11 50.40	3,273	53 52 45.3	19,618	60
21657	Leo	9	11 54.67	3,076	88 46 25.5	19,620	231
21658	Crater	8	11 55.50	3,010	102 6 59.5	19,620	329
21659	Ursa Major ..	9	11 56.15	3,291	51 33 41.4	19,620	56
21660	Leo	6½	12 0.08	3,163	71 28 0.3	19,621	332
21661	Leo	8	12 4.30	3,204	64 10 15.8	19,622	65
21662	Ursa Major ..	7½	12 6.28	3,249	57 4 32.4	19,623	59
21663	Ursa Major ..	8	12 6.67	3,249	57 4 33.1	19,623	63
21664	Leo	9	12 12.54	3,050	94 3 14.1	19,625	151
21665	Crater	6½	12 21.90	3,032	97 44 50.0	19,628	330
21666	Crater	8½	12 23.42	3,036	96 58 44.6	19,628	152
21667	Crater	9½	12 23.80	3,036	96 58 46.7	19,628	152
21668	Crater	8	12 24.00	3,036	96 58 39.8	19,628	334
21669	Leo	7½	12 25.35	3,152	73 22 11.1	19,629	223
21670	Ursa Major ..	9	12 26.79	3,233	59 21 2.6	19,629	61
21671	Leo	8	12 27.05	3,146	74 34 53.5	19,630	223
21672	Crater	8½	12 38.92	3,036	96 59 55.6	19,633	152
21673	Crater	8½	12 40.20	3,036	96 59 50.8	19,633	334
21674	Crater	8	12 42.12	2,996	105 4 13.5	19,634	331
21675	Ursa Major ..	9	12 42.31	3,275	54 5 6.6	19,634	60
21676	Ursa Major ..	9	12 42.93	3,336	45 46 48.9	19,634	7
21677	Ursa Major ..	8½	12 43.76	3,298	50 12 38.9	19,635	57
21678	Leo	7½	12 45.57	3,095	84 46 4.4	19,635	229
21679	Leo	7	12 54.67	3,106	82 19 2.9	19,638	226
21680	Ursa Major ..	8½	11 12 58.76	+3,226	60 5 13.3	+19,639	61

No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1800.			Annual Preces.	North Polar Distance, Jan. 1, 1800.	Annual Preces.	Page in H. Cél.
			h	m	s	s	° ' "	"	
21681	Crater	7½	11	13	0.97	+2,973	109 31 48.4	+19,640	284
21682	Leo	9		13	3.23	3,137	76 4 3.8	19,640	148
21683	Ursa Major ..	7		13	3.38	3,285	51 40 6.6	19,640	56
21684	Leo	6		13	3.66	3,075	88 46 14.6	19,640	231
21685	Leo	9½		13	5.63	3,105	82 33 37.2	19,641	226
21686	Crater	9½		13	6.06	3,036	96 59 50.0	19,641	152
21687	Leo	9		13	7.65	3,104	82 46 13.6	19,641	226
21688	Leo .....	.		13	9.26	3,159	71 45 37.6	19,642	333
21689	Ursa Major ..	9½		13	14.11	3,202	63 57 7.8	19,644	65
21690	Crater	7		13	25.34	2,957	112 36 40.7	19,647	286
21691	Crater λ	4		13	27.38	2,984	107 40 54.1	19,647	232
21692	Crater λ	5		13	27.54	2,984	107 40 53.5	19,647	333
21693	Leo	3½		13	29.65	3,125	78 22 11.3	19,648	225
21694	Ursa Major ..	8½		13	30.10	3,253	55 48 1.3	19,648	59
21695*	Crater	7½		13	32.92	2,990	106 31 35.0	19,649	232
21696	Leo	8½		13	35.38	3,092	85 16 42.6	19,649	230
21697	Crater	7		13	40.17	3,026	99 19 33.1	19,651	330
21698	Crater .....	.		13	42.45	3,041	96 3 4.3	19,652	152
21699	Crater	8		13	43.49	3,041	96 3 1.1	19,652	334
21700	Leo	5½		13	46.50	3,081	87 29 41.2	19,654	325
21701	Leo	8		13	50.48	3,141	74 59 57.0	19,654	223
21702	Ursa Major ..	9		13	50.95	3,280	51 50 54.9	19,654	56
21703	Ursa Major ..	9		13	51.49	3,223	60 6 36.4	19,654	61
21704	Leo	8½		13	52.01	3,143	74 44 7.8	19,654	223
21705	Ursa Major ..	8½		13	52.64	3,214	61 40 35.2	19,655	64
21706	Crater	8		13	54.86	2,972	110 9 57.3	19,655	284
21707	Leo	7		13	56.28	3,176	68 16 55.7	19,656	327
21708	Leo	6½		13	56.51	3,159	71 33 41.4	19,656	333
21709	Leo	8		13	57.99	3,141	74 57 6.1	19,656	223
21710	Leo	8		13	58.23	3,151	73 1 9.0	19,656	333
21711	Crater	8		14	4.61	3,023	100 1 39.4	19,658	326
21712	Ursa Major ..	.		14	11.25	3,242	57 4 37.6	19,660	59
21713	Ursa Major ..	8		14	12.13	3,242	57 4 34.4	19,660	63
21714	Leo	7		14	13.22	3,047	94 48 31.2	19,661	151
21715	Ursa Major ..	8½		14	21.51	3,222	60 2 2.4	19,663	61
21716	Leo	7½		14	28.70	3,084	86 48 28.2	19,665	230
21717	Crater	7½		14	28.93	2,968	110 59 30.5	19,665	284
21718	Crater s	4		14	31.14	3,024	99 45 44.4	19,666	326
21719	Ursa Major ..	8		14	33.92	3,227	59 8 27.1	19,666	63
21720	Leo	8	11	14	34.08	+3,174	68 28 55.9	+19,667	327

No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1800.	Annual Preces.	North Polar Distance, Jan. 1, 1800.	Annual Preces.	Page in H.Cel.
			h m s	s	° ' "	"	
21721	Ursa Major ..	7½	11 14 35.15	+ 3,322	46° 16' 1.5	+ 19,667	7
21722	Leo	6	14 36.00	3,128	77 28 19.2	19,667	225
21723*	Leo	8	14 37.25	3,136	75 53 39.7	19,668	148
21724	Ursa Major ..	8½	14 40.37	3,262	53 44 8.5	19,668	60
21725	Ursa Major ..	8	14 40.43	3,421	36 46 7.4	19,668	354
21726	Ursa Major ..	9	14 42.82	3,274	52 2 28.0	19,670	56
21727	Leo	6	14 45.71	3,065	91 6 45.4	19,670	150
21728	Leo	6½	14 45.74	3,065	91 6 44.1	19,670	227
21729	Leo	7	14 51.86	3,101	83 9 46.4	19,672	226
21730	Leo	7	14 51.96	3,101	83 9 42.9	19,672	229
21731	Crater	7	14 52.19	2,965	111 44 10.8	19,672	286
21732	Ursa Major ..	8	14 53.00	3,305	47 57 43.1	19,672	9
21733	Crater γ	4	14 54.08	2,992	106 35 12.5	19,673	232
21734	Ursa Major ..	7	14 57.77	3,227	58 54 55.1	19,673	63
21735	Crater	8½	14 58.48	3,017	101 27 1.8	19,673	329
21736	Crater	8	14 58.80	3,036	97 22 40.9	19,674	330
21737	Ursa Major ..	7	15 8.18	3,207	62 9 15.9	19,677	64
21738*	Leo	8	15 8.34	3,116	79 58 47.7	19,677	224
21739	Leo	5½	15 9.34	3,152	72 26 44.4	19,677	333
21740	Leo	8	15 10.99	3,170	68 53 42.3	19,677	327
21741	Leo	8	15 11.55	3,170	68 53 40.7	19,677	228
21742	Ursa Major ..	7½	15 12.19	3,319	46 10 11.5	19,678	7
21743	Crater	7	15 16.36	2,988	107 30 28.4	19,679	333
21744	Leo	6½	15 22.30	3,090	85 35 49.5	19,680	325
21745	Leo	9	15 22.36	3,101	83 9 8.4	19,680	226
21746	Crater .....	.	15 22.94	3,039	96 45 17.3	19,681	152
21747	Crater	9	15 24.07	3,039	96 45 9.3	19,681	334
21748	Leo	9	15 32.78	3,083	87 1 40.7	19,683	230
21749	Leo	6	15 33.14	3,092	85 2 23.1	19,683	229
21750	Leo	6½	15 33.55	3,092	85 2 23.4	19,683	325
21751	Crater	8½	15 34.05	2,975	110 7 52.1	19,684	284
21752	Leo .....	.	15 34.20	3,131	76 40 27.8	19,684	149
21753	Leo	7½	15 36.41	3,183	66 11 40.2	19,684	66
21754	Crater	7	15 39.89	3,008	103 26 24.6	19,685	331
21755	Leo	8½	15 40.22	3,113	80 20 33.3	19,685	224
21756	Ursa Major ..	7	15 40.71	3,247	55 27 9.1	19,686	60
21757	Ursa Major ..	6	15 41.16	3,247	55 27 10.2	19,686	59
21758*	Ursa Major ..	8	15 42.26	3,628	24 41 50.6	19,686	355
21759	Leo	8	15 42.49	3,171	68 30 7.9	19,686	327
21760	Leo	9	11 15 42.62	+ 3,092	84 57 14.9	+ 19,686	229

No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1800.	Annual Preces.	North Polar Distance, Jan. 1, 1800.	Annual Preces.	Page in H. Cel.
			h m s	s	° ' "	"	
21761	Leo	8	11 15 45.85	+3,070	89 58 51.8	+19,687	227
21762	Leo	8	15 47.96	3,079	87 51 39.0	19,688	231
21763	Ursa Major ..	8	15 49.92	3,276	51 10 33.0	19,688	57
21764	Crater	6½	15 50.29	3,012	102 39 12.8	19,688	329
21765	Leo	9	15 50.58	3,126	77 37 24.5	19,688	225
21766	Leo	6½	15 56.18	3,114	80 14 30.2	19,690	224
21767	Leo	7	15 57.09	3,171	68 22 48.8	19,690	327
21768	Crater	7	16 5.21	2,980	109 28 55.9	19,693	333
21769	Ursa Major ..	8½	16 5.51	3,202	62 30 22.3	19,693	64
21770	Leo	8	16 6.97	3,122	78 28 41.7	19,693	225
21771	Crater	7	16 9.81	3,030	98 46 37.4	19,694	330
21772	Crater	8	16 17.87	2,993	110 18 8.4	19,696	284
21773	Ursa Major ..	7	16 18.15	3,213	60 29 38.9	19,696	61
21774	Crater	8½	16 18.72	2,969	111 34 40.3	19,696	286
21775	Ursa Major ..	9	16 21.47	3,260	53 7 53.2	19,697	56
21776	Leo	8½	16 21.48	3,079	87 50 40.0	19,697	231
21777	Ursa Major ..	7½	16 26.96	3,241	55 46 28.6	19,699	59
21778	Leo	7½	16 31.13	3,177	67 2 22.2	19,700	66
21779	Ursa Major ..	7½	16 33.99	3,193	63 52 24.0	19,700	65
21780	Crater	6½	16 36.66	2,977	110 15 31.1	19,701	284
21781	Leo	7	16 37.46	3,088	85 53 52.1	19,701	325
21782	Leo	7	16 37.81	3,088	85 53 56.8	19,702	230
21783	Leo	8	16 38.51	3,088	85 54 18.2	19,702	325
21784	Leo	8	16 38.81	3,088	85 54 19.8	19,702	230
21785	Crater	8	16 40.14	3,040	96 41 32.3	19,702	152
21786	Crater	8	16 44.84	3,031	98 50 30.6	19,703	330
21787	Ursa Major ..	8½	16 56.70	3,247	54 38 27.5	19,706	60
21788	Ursa Major ..	7	16 57.04	3,272	50 57 27.9	19,707	57
21789	Ursa Major ..	7	16 58.51	3,328	44 1 17.7	19,707	352
21790	Leo	9	16 59.17	3,111	80 41 48.9	19,707	224
21791	Ursa Major ..	7	17 0.23	3,325	44 20 0.9	19,707	352
21792	Leo	9	17 0.24	3,187	64 51 12.0	19,707	65
21793	Ursa Major ..	8½	17 1.76	3,200	62 26 50.3	19,708	64
21794	Crater	8	17 2.45	2,988	108 5 57.3	19,708	333
21795	Crater	9	17 4.35	3,030	99 8 20.6	19,709	330
21796	Crater x	6	17 5.43	3,020	101 15 31.1	19,709	329
21797	Crater x	5½	17 5.61	3,020	101 15 31.1	19,709	326
21798	Leo	8	17 6.42	3,080	87 31 10.5	19,709	231
21799	Ursa Major ..	8½	17 8.16	3,254	53 31 44.5	19,710	60
21800	Crater	7½	11 17 8.36	+3,005	104 32 18.8	+19,710	331

No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1800.	Annual Preces.	North Polar Distance, Jan. 1, 1800.	Annual Preces.	Page in H. Ccl.
			h m s	s	° ' "	"	
21801	Crater	7½	11 17 9,22	+3,036	97 46 16,2	+19,710	330
21802	Ursa Major ..	8	17 16,30	3,593	25 19 47,4	19,712	355
21803	Crater	9	17 16,56	3,020	101 22 1,5	19,712	329
21804	Leo	7½	17 17,94	3,080	87 35 51,6	19,712	231
21805	Leo	7½	17 18,46	3,079	87 56 15,3	19,712	231
21806	Hydra	8	17 25,68	2,964	113 4 13,3	19,714	286
21807	Crater	7½	17 26,06	3,020	101 20 6,4	19,715	329
21808	Crater	7	17 26,15	3,020	101 19 59,4	19,715	326
21809	Leo	9	17 27,06	3,109	81 1 9,4	19,715	224
21810	Ursa Major ..	9	17 28,64	3,236	55 57 4,9	19,715	59
21811	Leo	9	17 31,09	3,140	74 3 54,2	19,716	223
21812	Crater	8	17 33,42	2,965	112 59 12,5	19,717	286
21813	Leo	9	17 33,55	3,122	77 53 20,0	19,717	225
21814	Ursa Major ..	8½	17 35,11	3,307	46 5 12,7	19,717	7
21815	Leo	8½	17 36,36	3,181	65 42 39,0	19,717	66
21816	Leo	6½	17 38,32	3,127	76 55 33,3	19,718	149
21817	Leo τ	5	17 38,75	3,087	86 2 38,2	19,718	230
21818	Leo τ	4	17 39,08	3,087	86 2 36,5	19,718	325
21819	Leo	7½	17 40,04	3,087	86 4 12,2	19,718	230
21820	Leo	8	17 40,12	3,087	86 4 10,5	19,718	325
21821	Leo	6	17 40,54	3,067	90 36 0,2	19,718	227
21822	Leo	7½	17 41,48	3,165	68 49 52,2	19,719	327
21823	Leo	8	17 42,12	3,121	78 13 32,4	19,719	225
21824	Ursa Major ..	7½	17 46,21	3,278	49 35 36,9	19,720	57
21825	Leo	8½	17 46,22	3,121	78 11 26,4	19,720	225
21826	Crater	8	17 46,48	2,994	107 3 10,2	19,720	232
21827	Crater	9	17 47,34	3,005	104 45 34,8	19,720	331
21828	Leo	7	17 49,28	3,071	89 47 47,5	19,721	227
21829	Leo	8	17 50,76	3,064	91 22 16,4	19,721	150
21830	Ursa Major ..	6½	17 57,32	3,304	46 6 9,7	19,723	7
21831	Crater	8½	18 0,63	3,043	96 11 49,0	19,724	152
21832	Ursa Major ..	8	18 6,43	3,291	47 43 21,3	19,725	9
21833	Leo	7	18 9,56	3,086	86 6 47,3	19,726	230
21834	Leo	7	18 9,62	3,086	86 6 47,6	19,726	325
21835	Crater	6½	18 10,73	3,006	104 47 15,0	19,727	332
21836	Ursa Major ..	5½	18 15,71	3,276	49 33 49,9	19,728	57
21837	Leo	9½	18 21,98	3,049	94 59 54,6	19,729	152
21838	Leo	9	18 24,97	3,163	68 56 43,3	19,730	327
21839	Crater	7	18 27,26	2,969	112 43 28,2	19,731	286
21840	Leo	9	11 18 30,28	+3,048	95 4 49,4	+19,731	151

No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1800.	Annual Preces.	North Polar Distance, Jan. 1, 1800.	Annual Preces.	Page in H.Cél.
			^h ^m ^s	^s	[°] ['] ["]	["]	
21841	Leo	9	11 18 30,98	+3,048	95 4 51,0	+19,732	152
21842	Leo	8	18 31,95	3,079	87 41 41,9	19,732	231
21843	Ursa Major ..	9	18 32,53	3,258	51 59 17,4	19,733	56
21844	Crater	8½	18 35,37	3,022	101 12 30,8	19,733	329
21845	Leo	8	18 35,88	3,143	72 58 32,8	19,733	223
21846	Ursa Major ..	.	18 39,13	3,217	58 28 0,1	19,734	63
21847	Leo	8½	18 43,56	3,086	86 9 52,4	19,735	230
21848	Leo	9	18 43,63	3,086	86 9 46,7	19,735	325
21849	Ursa Major ..	8½	18 50,32	3,191	63 1 29,0	19,737	64
21850	Leo	8½	19 5,72	3,073	89 14 55,9	19,741	231
21851	Ursa Major ..	8	19 9,19	3,297	46 14 10,0	19,742	7
21852	Leo	7	19 10,54	3,071	89 44 53,6	19,742	227
21853	Ursa Major ..	9	19 10,72	3,213	58 49 44,4	19,742	63
21854	Leo	8½	19 11,26	3,144	72 30 53,8	19,742	147
21855	Leo	6	19 15,81	3,140	73 29 10,0	19,743	147
21856	Leo	6	19 15,85	3,140	73 28 57,6	19,743	223
21857	Leo	9	19 17,01	3,127	76 23 28,7	19,744	149
21858*	Leo	7½	19 18,16	3,185	63 57 7,4	19,744	65
21859	Leo	6½	19 19,03	3,090	85 7 10,5	19,744	229
21860	Leo	6	19 19,65	3,106	81 17 52,0	19,744	224
21861	Leo	6½	19 19,74	3,106	81 17 58,8	19,745	226
21862	Ursa Major ..	6½	19 26,17	3,329	42 14 30,1	19,746	353
21863	Ursa Major ..	7	19 26,72	3,212	58 55 20,5	19,746	63
21864	Ursa Major ..	7½	19 28,20	3,261	50 56 41,2	19,746	58
21865	Ursa Major ..	7½	19 28,97	3,260	50 56 43,6	19,747	56
21866	Crater	6½	19 30,55	3,033	98 57 35,1	19,747	330
21867*	Leo	8	19 33,40	3,184	64 0 54,4	19,748	65
21868	Ursa Major ..	6	19 38,71	3,298	45 43 49,6	19,749	7
21869	Leo	9	19 43,94	3,133	74 47 18,2	19,751	223
21870	Crater	8	19 44,73	2,983	110 14 23,2	19,751	284
21871	Ursa Major ..	9	19 45,62	3,210	59 0 43,6	19,751	63
21872	Ursa Major ..	8	19 52,90	3,194	61 58 28,2	19,753	64
21873	Crater	7½	19 55,65	3,003	106 40 0,3	19,754	232
21874	Ursa Major ..	6½	19 58,34	3,292	47 36 21,4	19,754	9
21875	Crater	7½	19 58,62	3,000	106 47 0,9	19,754	232
21876	Leo	6	20 1,84	3,151	70 29 24,6	19,755	228
21877	Leo	7½	20 3,93	3,111	79 47 31,8	19,756	224
21878	Leo.....e	4½	20 5,39	3,062	91 54 4,9	19,756	150
21879	Leo.....e	4½	20 5,77	3,062	91 54 2,3	19,756	227
21880	Leo.....e	.	11 20 6,20	+3,062	91 54 4,3	+19,756	151

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			h m s	s			
21881	Ursa Major ..	6½	11 20 19.31	+3,200	60° 26' 49.3"	+19,760	62
21882	Ursa Major ..	7	20 26.27	3,221	56 35 38.7	19,762	59
21883	Ursa Major ..	7½	20 27.51	3,245	52 39 57.2	19,762	56
21884	Leo	9	20 31.91	3,114	79 4 57.7	19,763	225
21885	Crater	7	20 32.46	3,021	101 56 46.0	19,763	329
21886	Leo	7½	20 39.81	3,113	79 16 28.0	19,765	224
21887	Leo	8	20 39.91	3,113	79 16 24.0	19,765	225
21888	Leo	7½	20 40.40	3,047	95 36 59.7	19,765	152
21889	Leo .....	.	20 44.82	3,129	75 22 32.6	19,766	149
21890	Leo	8	20 50.44	3,171	66 4 42.7	19,767	66
21891*	Ursa Major ..	7½	21 1.32	3,277	47 27 48.4	19,770	9
21892	Leo	7½	21 4.15	3,147	71 8 49.3	19,771	228
21893	Leo	8	21 4.21	3,147	71 8 46.3	19,771	147
21894	Ursa Major ..	7½	21 5.60	3,277	47 27 45.2	19,771	7
21895	Leo	7	21 5.88	3,086	85 50 7.0	19,771	230
21896	Leo	7½	21 19.67	3,176	64 35 8.1	19,775	65
21897	Ursa Major ..	8½	21 23.74	3,206	58 39 29.4	19,776	63
21898	Leo	9½	21 23.98	3,132	74 31 7.0	19,776	223
21899	Leo	6	21 24.48	3,132	74 31 21.0	19,776	223
21900	Ursa Major ..	7½	21 26.39	3,258	49 58 16.5	19,776	58
21901	Crater	8	21 29.12	2,989	109 52 28.6	19,777	284
21902	Ursa Major ..	6½	21 29.13	3,240	52 38 52.3	19,777	57
21903	Leo	8½	21 35.89	3,148	70 44 28.0	19,778	228
21904*	Leo	7½	21 46.59	3,049	95 21 46.1	19,781	152
21905	Leo	7	21 46.97	3,049	95 21 44.4	19,781	151
21906	Crater	6	21 49.02	2,990	109 40 38.1	19,782	284
21907	Ursa Major ..	8	21 49.48	3,198	59 50 46.0	19,782	62
21908	Leo	8½	21 54.49	3,060	92 25 37.3	19,783	150
21909	Leo	7	21 57.02	3,067	90 40 46.7	19,784	227
21910	Leo	8	22 2.13	3,122	76 41 34.3	19,785	149
21911	Leo	8½	22 3.63	3,072	89 18 10.7	19,785	227
21912	Leo	8	22 3.97	3,072	89 18 10.2	19,785	231
21913	Ursa Major ..	7½	22 4.35	3,254	50 1 57.6	19,786	58
21914	Leo	10	22 5.18	3,174	64 34 12.2	19,786	65
21915	Leo	9	22 6.27	3,110	79 30 47.4	19,786	224
21916	Crater	6½	22 9.49	3,026	101 17 37.4	19,787	326
21917	Crater	7	22 9.69	3,026	101 17 39.5	19,787	329
21918	Leo	8	22 13.64	3,052	94 31 16.3	19,787	151
21919	Ursa Major ..	7½	22 17.59	3,256	49 34 24.3	19,789	58
21920	Leo	8½	11 22 20.58	+3,053	94 17 50.8	+19,789	151

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21921	Ursa Major ..	8	11 22 20,68	+3,240	52° 7' 48,8	+19,789	57
21922	Ursa Major ..	7½	22 21,81	3,224	54 50 39,1	19,790	60
21923	Leo	8	22 21,87	3,079	87 33 13,8	19,790	231
21924	Leo	9½	22 24,20	3,152	69 21 45,8	19,790	58
21925	Leo	7½	22 24,59	3,145	70 53 44,1	19,790	228
21926	Ursa Major ..	7½	22 25,83	3,253	50 1 48,6	19,791	58
21927	Ursa Major ..	7	22 32,92	3,567	23 38 27,5	19,792	355
21928	Ursa Major ..	8	22 33,00	3,218	55 45 40,1	19,792	59
21929	Crater	8	22 36,50	3,040	97 50 34,5	19,793	330
21930	Crater	9½	22 36,99	3,000	107 46 3,4	19,793	333
21931	Leo	8	22 37,76	3,110	79 30 47,5	19,793	224
21932	Crater	6	22 38,11	3,044	96 43 28,0	19,793	152
21933	Crater	8	22 39,48	3,009	105 31 39,5	19,794	232
21934	Leo	9	22 41,77	3,111	79 16 2,2	19,794	224
21935	Leo	9	22 42,66	3,125	75 35 8,0	19,795	149
21936	Leo	8	22 46,77	3,079	87 36 34,0	19,796	231
21937	Leo	8	22 48,64	3,102	81 29 6,3	19,796	226
21938	Leo	9	22 54,74	3,053	94 30 13,3	19,797	151
21939	Ursa Major ..	8½	22 57,54	3,181	62 44 54,2	19,798	64
21940	Crater	7	22 59,83	2,981	112 20 21,9	19,798	286
21941	Leo	7½	23 1,26	3,151	69 12 57,8	19,799	58
21942*	Leo	7	23 2,85	3,086	85 32 0,6	19,799	230
21943	Leo	9	23 7,18	3,089	84 45 38,1	19,800	229
21944	Crater	5	23 10,57	3,012	105 10 30,7	19,801	232
21945	Crater	6	23 10,77	3,012	105 10 26,0	19,801	332
21946	Leo	7½	23 12,22	3,104	80 54 57,7	19,802	224
21947	Ursa Major ..	7	23 17,07	3,236	52 4 37,8	19,802	57
21948	Crater	9	23 17,29	3,040	98 1 34,2	19,802	330
21949	Ursa Major ..	9	23 25,17	3,184	61 38 8,2	19,804	64
21950	Leo	8	23 27,47	3,049	95 25 59,4	19,805	152
21951	Leo	8	23 33,09	3,125	75 20 32,7	19,806	149
21952	Crater	8½	23 36,19	2,995	109 26 32,4	19,807	284
21953	Leo	8	23 42,98	3,130	74 0 12,4	19,808	223
21954	Leo	6	23 47,87	3,115	77 52 17,2	19,810	225
21955	Crater	9	23 49,05	2,983	112 20 50,0	19,810	286
21956	Leo	9	23 51,82	3,163	66 0 30,9	19,811	66
21957	Leo	•	23 52,24	3,058	93 3 51,0	19,811	150
21958	Leo	8	23 52,96	3,129	74 11 57,7	19,811	223
21959	Ursa Major ..	9	23 56,43	3,185	61 7 39,2	19,812	62
21960	Crater	6½	11 23 59,18	+3,014	104 56 30,9	+19,813	332

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21961	Crater	6½	11 23 59.44	+3,013	105 2 30.0	+19,813	232
21962	Crater	8½	24 1.99	3,012	105 17 55.3	19,813	232
21963	Leo	9	24 5.03	3,089	84 46 24.1	19,814	229
21964	Leo	9	24 7.07	3,123	75 34 59.0	19,814	149
21965	Leo	6	24 7.46	3,085	85 49 38.2	19,814	230
21966	Leo	9	24 8.49	3,164	65 32 42.5	19,815	66
21967	Crater	8	24 9.61	3,026	101 45 41.4	19,815	329
21968	Leo	6	24 11.82	3,054	94 25 28.2	19,815	151
21969	Ursa Major ..	8½	24 12.21	3,206	56 43 36.1	19,815	59
21970	Leo	6	24 16.62	3,137	72 5 53.7	19,816	147
21971	Ursa Major ..	9	24 19.91	3,181	61 41 25.3	19,817	64
21972	Crater	8	24 21.23	3,023	102 42 13.2	19,818	329
21973	Ursa Major ..	8	24 26.86	3,197	58 23 5.5	19,819	63
21974	Leo	8	24 30.23	3,053	94 29 13.5	19,819	151
21975	Ursa Major ..	8½	24 33.20	3,222	53 29 23.2	19,820	60
21976	Leo	8	24 34.42	3,065	91 23 18.4	19,820	227
21977	Leo	7	24 36.25	3,151	68 27 14.1	19,821	68
21978	Leo	9½	24 38.81	3,096	82 37 4.0	19,821	226
21979	Leo	8	24 39.47	3,066	91 7 29.8	19,822	227
21980	Leo	9	24 46.54	3,122	75 44 32.3	19,823	149
21981	Leo	6½	24 47.23	3,058	93 15 13.5	19,823	150
21982	Crater	6½	24 48.25	3,030	100 58 58.3	19,823	326
21983	Leo	8	24 51.64	3,120	76 13 45.9	19,824	149
21984	Leo	2	25 9.73	3,114	77 42 17.1	19,828	225
21985	Crater	7½	25 9.86	2,998	109 27 8.6	19,828	285
21986	Leo	8½	25 13.72	3,097	82 22 12.7	19,829	226
21987	Leo	7½	25 14.83	3,139	71 1 19.4	19,829	228
21988	Leo	9	25 15.82	3,163	65 11 30.1	19,829	65
21989	Leo	6	25 21.91	3,113	77 58 56.5	19,831	225
21990	Crater	7	25 25.98	3,029	101 18 1.6	19,832	329
21991	Crater	6½	25 26.14	3,029	101 17 59.5	19,832	326
21992	Ursa Major ..	8	25 29.46	3,181	60 59 20.3	19,833	62
21993	Ursa Major ..	9	25 32.34	3,194	58 10 36.3	19,833	63
21994	Ursa Major ..	9½	25 32.56	3,222	52 46 18.6	19,834	57
21995	Ursa Major ..	9	25 36.43	3,256	47 4 33.3	19,834	7
21996	Leo	8	25 37.82	3,097	82 7 38.3	19,834	226
21997	Leo	8½	25 40.21	3,057	93 39 8.4	19,835	151
21998	Ursa Major ..	8½	25 42.44	3,212	54 23 13.1	19,835	60
21999	Ursa Major ..	5½	25 44.67	3,179	61 6 53.4	19,836	62
22000	Leo	8½	11 25 45.29	+3,119	76 2 23.7	+19,836	149

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			h m s	s	° ' "	"	
22001	Ursa Major ..	.	11 25 46.28	+3,176	61 55 6.7	+19,836	64
22002	Leo	7½	25 51.49	3,126	74 11 42.7	19,837	223
22003	Leo	6½	25 57.24	3,167	63 51 54.9	19,839	65
22004	Leo	7	25 58.35	3,085	85 35 26.9	19,839	230
22005	Ursa Major ..	9	26 6.81	3,205	55 27 9.1	19,841	59
22006	Leo	9	26 13.98	3,057	93 35 37.3	19,842	151
22007	Ursa Major ..	8	26 13.98	3,254	46 51 14.1	19,842	7
22008	Virgo	6½	26 17.00	3,098	81 46 53.8	19,843	226
22009	Leo	8	26 17.41	3,116	76 43 0.7	19,843	149
22010	Leo	9	26 21.13	3,114	77 13 21.3	19,844	149
22011	Crater	7	26 26.48	3,015	105 44 23.8	19,845	232
22012	Crater θ	4	26 32.78	3,040	98 41 46.4	19,846	330
22013	Crater θ	4	26 33.35	3,040	98 41 49.9	19,846	152
22014	Crater	9	26 34.27	3,031	101 15 54.4	19,846	319
22015	Leo	8½	26 34.39	3,122	74 52 43.6	19,846	223
22016	Leo	8	26 36.40	3,110	78 23 3.0	19,847	225
22017	Ursa Major ..	9	26 37.37	3,218	52 36 30.5	19,847	57
22018	Ursa Major ..	8	26 41.36	3,177	61 7 12.5	19,848	62
22019	Leo	9	26 41.56	3,131	72 30 54.4	19,848	147
22020	Crater	9	26 41.61	3,031	101 14 32.3	19,848	326
22021	Crater	9	26 42.02	3,031	101 14 43.4	19,848	329
22022	Leo	4	26 42.81	3,071	89 43 18.9	19,848	227
22023	Leo	9	26 45.34	3,164	63 54 22.0	19,849	65
22024	Hydra	7	26 46.57	2,986	113 19 52.3	19,849	286
22025	Ursa Major ..	9	26 47.20	3,214	53 17 20.1	19,849	60
22026	Ursa Major ..	7	26 50.14	3,268	44 10 41.9	19,850	352
22027	Leo	8	26 52.01	3,090	83 55 44.9	19,850	229
22028	Crater	8	26 53.20	3,000	109 51 27.8	19,850	285
22029	Ursa Major ..	8½	26 54.33	3,167	63 5 23.8	19,851	64
22030	Virgo	7	26 59.92	3,094	82 37 29.3	19,852	226
22031	Leo	9	27 0.95	3,058	93 29 14.0	19,852	151
22032	Leo	8	27 2.66	3,071	89 28 20.4	19,852	227
22033	Ursa Major ..	8	27 4.25	3,245	47 35 3.1	19,853	9
22034	Crater	6	27 11.49	3,032	101 14 7.4	19,854	326
22035	Crater	7	27 11.78	3,032	101 14 14.3	19,855	329
22036	Leo	8	27 12.37	3,064	91 47 3.3	19,855	150
22037	Leo	9	27 15.11	3,150	67 12 6.4	19,855	66
22038	Leo	9	27 16.15	3,072	89 26 18.3	19,855	227
22039	Leo	8	27 21.92	3,058	93 23 58.8	19,856	151
22040	Ursa Major ..	9	11 27 22.19	+3,211	53 17 14.2	+19,856	60

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			h m s	s	° ' "	"	
22041	Crater	9	11 27 24.73	+2,993	112 7 8.2	+19,857	286
22042	Virgo	8	27 25.11	3,101	80 38 1.4	19,857	224
22043	Leo	8	27 25.56	3,149	67 8 58.1	19,857	68
22044	Virgo	9½	27 26.00	3,096	82 2 41.3	19,857	226
22045	Leo	8	27 26.69	3,149	67 8 52.3	19,858	66
22046	Ursa Major ..	7	27 31.47	3,192	57 0 40.6	19,859	59
22047	Ursa Major ..	7½	27 32.12	3,192	57 0 40.6	19,859	63
22048	Ursa Major ..	5½	27 38.10	3,256	45 15 57.0	19,860	7
22049	Leo	7½	27 39.01	3,117	75 55 57.7	19,860	149
22050	Ursa Major ..	8½	27 39.13	3,227	50 8 22.0	19,860	58
22051	Leo	9	27 40.11	3,160	64 25 3.6	19,860	65
22052	Leo	8	27 40.33	3,069	90 2 39.7	19,861	227
22053	Leo	8	27 44.36	3,149	67 1 13.2	19,861	68
22054	Leo	8½	27 44.60	3,149	67 1 23.0	19,861	68
22055	Leo	9	27 46.91	3,122	74 20 58.0	19,861	223
22056	Crater	8	27 48.01	3,041	98 43 39.5	19,862	330
22057	Leo	8½	27 49.03	3,085	85 16 17.4	19,862	230
22058	Virgo	6½	27 50.95	3,103	80 0 39.5	19,862	224
22059	Ursa Major ..	6	27 56.82	3,199	55 16 2.0	19,864	59
22060	Crater	7	28 1.42	3,012	107 5 10.1	19,865	232
22061	Ursa Major ..	9	28 1.66	3,208	53 17 45.3	19,865	60
22062	Crater	7	28 1.75	3,012	107 5 10.2	19,865	333
22063	Ursa Major ..	9	28 4.82	3,181	59 8 14.8	19,865	62
22064	Ursa Major ..	9	28 5.04	3,224	50 14 38.1	19,866	58
22065	Leo	9	28 5.37	3,146	67 34 45.6	19,866	62
22066	Virgo..... ω	6	28 8.30	3,100	80 45 31.6	19,866	224
22067	Ursa Major ..	7½	28 9.78	3,227	49 43 17.7	19,866	58
22068	Leo	6½	28 10.93	3,065	91 19 19.3	19,866	150
22069	Ursa Major ..	7	28 11.21	3,263	43 47 11.7	19,866	352
22070	Virgo	9	28 14.53	3,094	82 23 34.9	19,867	226
22071	Ursa Major ..	8	28 16.77	3,237	47 44 54.2	19,868	9
22072	Ursa Major ..	8	28 19.09	3,244	46 35 16.1	19,868	7
22073	Leo	9	28 21.50	3,122	74 14 27.9	19,869	223
22074	Leo	8½	28 22.93	3,124	73 28 25.6	19,869	147
22075	Ursa Major ..	9	28 30.40	3,188	57 7 57.7	19,871	59
22076	Ursa Major ..	9	28 30.70	3,188	57 7 53.8	19,871	63
22077	Crater..... ι	6	28 31.16	3,030	102 6 6.8	19,871	329
22078	Crater	8½	28 39.13	3,049	96 29 40.9	19,872	152
22079	Virgo	9	28 43.06	3,092	83 6 21.1	19,873	226
22080	Virgo	7½	11 28 47.79	+3,092	82 49 42.7	+19,874	226

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			h m s	s	° ' "	"	
22081	Crater	8	11 28 51.73	+3,003	110° 4' 1.5	+19,875	285
22082	Leo	8½	28 55.58	3,065	91 28 54.8	19,876	150
22083	Hydra	6½	28 58.87	2,991	113 35 55.9	19,876	286
22084	Hydra	7	28 58.95	2,991	113 36 6.1	19,876	234
22085	Crater	8	29 0.54	3,020	105 30 24.8	19,877	232
22086	Virgo	9½	29 2.95	3,052	95 29 44.1	19,877	152
22087	Leo	8	29 3.06	3,127	72 21 17.4	19,877	147
22088	Ursa Major ..	8½	29 5.09	3,258	43 44 11.8	19,877	352
22089	Ursa Major ..	.	29 8.11	3,165	61 56 7.0	19,878	64
22090	Leo	9½	29 10.53	3,135	69 53 33.4	19,878	228
22091	Leo	8	29 12.28	3,135	69 53 52.4	19,879	228
22092	Leo	8	29 14.93	3,082	86 3 5.9	19,879	230
22093	Crater	6½	29 20.81	3,032	102 4 9.8	19,880	319
22094	Hydra	8½	29 20.95	2,991	113 47 17.8	19,880	234
22095	Ursa Major ..	7	29 24.34	3,236	46 52 28.4	19,881	7
22096	Virgo	8	29 28.20	3,088	84 0 36.2	19,882	229
22097	Virgo	8½	29 28.97	3,058	93 52 35.3	19,882	151
22098	Crater	7	29 29.90	3,044	98 21 26.4	19,882	330
22099	Ursa Major ..	8½	29 38.51	3,206	52 24 58.5	19,884	57
22100	Leo	7	29 42.62	3,151	65 11 3.5	19,885	65
22101	Leo	7	29 42.69	3,151	65 11 3.6	19,885	66
22102	Crater	6	29 44.19	3,028	103 21 46.7	19,885	332
22103	Virgo	8½	29 44.46	3,058	93 50 30.2	19,885	151
22104	Crater	6	29 44.83	3,021	105 31 45.1	19,885	232
22105	Leo	9	29 47.18	3,150	65 18 21.6	19,886	65
22106	Virgo	8½	29 49.05	3,091	83 0 38.0	19,886	226
22107	Leo	8½	30 7.25	3,078	87 17 37.8	19,889	231
22108	Leo	9	30 7.27	3,078	87 17 33.2	19,889	230
22109	Leo	6½	30 8.88	3,076	87 56 24.1	19,890	231
22110	Virgo	6½	30 11.55	3,089	83 45 6.7	19,890	229
22111	Leo	5½	30 21.92	3,141	67 32 17.9	19,892	68
22112	Virgo	7	30 22.92	3,099	80 13 4.9	19,892	224
22113	Crater	9	30 23.89	3,013	108 21 4.5	19,893	233
22114	Leo	8½	30 25.96	3,126	71 52 7.9	19,893	147
22115	Crater	6½	30 26.13	3,048	97 17 44.9	19,893	330
22116	Ursa Major ..	5½	30 29.11	3,191	54 40 4.7	19,893	60
22117	Ursa Major ..	.	30 30.87	3,181	57 4 2.9	19,894	59
22118	Ursa Major ..	8	30 37.98	3,241	44 53 0.0	19,895	7
22119	Virgo	7½	30 39.98	3,088	83 56 24.0	19,895	229
22120	Virgo	8	11 30 40.07	+3,057	94 5 22.0	+19,895	151

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22121	Ursa Major ..	9½	11 30 40,85	+3,297	36° 54' 36,4	+19,896	354
22122	Leo	8	30 46,08	3,152	64 5 6,6	19,897	65
22123	Leo	8½	30 47,72	3,106	78 5 2,8	19,897	225
22124	Ursa Major ..	8½	30 54,27	3,181	56 38 16,5	19,898	59
22125	Ursa Major ..	9	30 57,46	3,240	44 41 45,9	19,898	352
22126	Leo	9½	30 57,59	3,125	71 52 32,9	19,899	147
22127	Ursa Major ..	8	30 59,02	3,240	44 41 49,9	19,899	7
22128	Crater	7	31 3,24	3,019	106 35 37,9	19,900	232
22129	Crater	7½	31 4,49	3,023	105 34 27,4	19,900	232
22130	Virgo	9	31 5,48	3,068	90 39 59,3	19,900	227
22131	Ursa Major ..	6½	31 6,71	3,223	47 39 9,6	19,900	9
22132	Ursa Major ..	6½	31 8,05	3,178	57 8 50,0	19,901	59
22133	Ursa Major ..	6	31 8,36	3,178	57 8 50,0	19,901	63
22134	Draco.....	4½	31 10,68	3,482	22 8 56,6	19,901	385
22135	Draco.....	6	31 11,11	3,482	22 8 56,1	19,901	355
22136	Virgo	7½	31 21,35	3,086	84 18 1,7	19,903	229
22137	Ursa Major ..	8	31 22,48	3,155	62 57 43,1	19,903	64
22138	Ursa Major ..	8	31 23,55	3,188	54 35 1,6	19,904	60
22139	Leo	9	31 29,09	3,108	76 55 35,2	19,904	149
22140	Virgo	9	31 32,36	3,052	96 6 44,1	19,905	152
22141	Ursa Major ..	8	31 32,48	3,237	44 44 50,0	19,905	7
22142	Ursa Major ..	9	31 36,97	3,212	49 13 47,4	19,906	58
22143	Crater	6	31 36,98	3,047	97 58 10,1	19,906	330
22144	Leo	6½	31 40,84	3,141	66 40 38,1	19,907	66
22145	Virgo	9	31 40,91	3,053	95 49 56,3	19,907	152
22146	Leo	7	31 43,19	3,109	76 35 54,8	19,907	149
22147	Crater	9½	31 45,28	3,005	111 32 37,8	19,907	234
22148	Virgo	6½	31 53,24	3,086	84 8 39,5	19,909	229
22149	Ursa Major ..	7½	31 54,85	3,233	45 6 2,2	19,909	7
22150	Crater	6½	31 55,38	2,999	113 16 28,2	19,909	286
22151	Crater	7½	31 57,17	3,023	105 54 36,2	19,909	232
22152	Crater	6	31 58,71	3,013	109 11 1,0	19,910	233
22153	Crater	5½	31 59,34	3,013	109 10 56,4	19,910	333
22154	Leo	•	32 3,28	3,146	64 59 26,5	19,910	65
22155	Virgo	6½	32 10,30	3,079	86 31 40,9	19,912	230
22156	Ursa Major ..	9	32 14,07	3,185	54 32 15,7	19,913	60
22157	Leo	8½	32 20,32	3,107	77 1 38,4	19,914	149
22158	Leo	8	32 20,48	3,107	77 1 46,5	19,914	225
22159	Leo	7½	32 20,59	3,126	70 38 54,3	19,914	228
22160	Crater	8½	11 32 22,13	+3,038	101 4 30,8	+19,914	326

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22161	Ursa Major ..	8	11 32 34.02	+3,196	51 38 42.0	+19,916	57
22162	Virgo	8½	32 35.71	3,091	82 20 17.0	19,916	226
22163	Virgo	9	32 36.59	3,055	95 18 34.8	19,916	152
22164	Virgo	9	32 36.95	3,055	95 18 25.2	19,916	151
22165	Virgo	8	32 37.85	3,063	92 26 0.2	19,917	150
22166	Crater	7½	32 38.59	3,047	98 13 58.0	19,917	330
22167	Crater	7	32 47.78	3,047	98 0 39.3	19,918	330
22168	Ursa Major ..	7½	32 53.92	3,158	60 50 11.7	19,920	62
22169	Ursa Major ..	8	32 56.53	3,199	50 38 57.1	19,920	57
22170	Ursa Major ..	7	32 59.55	3,215	47 10 4.9	19,920	7
22171	Ursa Major ..	6½	32 59.71	3,215	47 10 2.3	19,921	9
22172	Ursa Major ..	9	32 59.98	3,156	61 19 20.7	19,921	64
22173	Ursa Major ..	8	33 0.47	3,282	36 29 49.2	19,921	354
22174	Leo	8½	33 0.79	3,102	78 28 3.4	19,921	225
22175	Ursa Major ..	7	33 1.00	3,171	57 7 38.0	19,921	59
22176	Ursa Major ..	7	33 1.08	3,171	57 7 34.0	19,921	63
22177	Leo	9	33 4.33	3,125	70 37 54.3	19,921	228
22178	Leo	9	33 4.92	3,103	78 2 14.8	19,922	225
22179	Leo	8	33 16.41	3,102	78 11 52.1	19,923	225
22180*	Leo	8	33 17.06	3,118	72 34 14.8	19,923	147
22181	Crater	7	33 17.45	3,017	108 42 47.0	19,923	233
22182	Ursa Major ..	8½	33 18.98	3,170	57 7 51.0	19,924	59
22183	Ursa Major ..	9	33 19.71	3,170	57 7 55.1	19,924	63
22184	Leo	7	33 21.47	3,142	64 52 28.4	19,924	65
22185	Crater	7	33 22.87	3,036	103 56 0.5	19,924	332
22186	Ursa Major ..	7½	33 38.79	3,161	59 18 39.4	19,927	62
22187	Virgo	8	33 40.34	3,099	79 12 21.5	19,927	225
22188	Leo	8½	33 40.38	3,101	78 33 13.6	19,927	225
22189	Ursa Major ..	9	33 41.36	3,226	44 24 7.8	19,927	352
22190	Virgo	6	33 42.40	3,055	95 33 55.6	19,928	152
22191	Virgo	6	33 42.85	3,055	95 33 56.9	19,928	151
22192	Ursa Major ..	8½	33 44.08	3,198	49 52 59.1	19,928	58
22193	Crater	6	33 44.08	3,048	98 1 13.3	19,928	330
22194	Ursa Major ..	7½	33 44.39	3,158	58 59 41.1	19,928	62
22195	Ursa Major ..	8	33 46.82	3,196	50 21 42.6	19,928	58
22196	Draco.....	8	33 46.96	3,447	22 1 9.6	19,928	385
22197	Ursa Major ..	6	33 47.09	3,145	63 40 21.4	19,928	65
22198	Ursa Major ..	9	33 47.26	3,192	51 21 40.7	19,928	57
22199	Ursa Major ..	9	33 57.03	3,411	23 55 35.0	19,930	355
22200	Virgo	8	11 34 12.16	+3,094	80 37 7.7	+19,932	224

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22201	Ursa Major ..	7	11 34 16.47	+3,155	60 13 16.2	+19,932	62
22202	Virgo	9	34 17.91	3,051	96 58 39.7	19,933	152
22203	Crater	7	34 18.84	3,016	109 35 12.1	19,934	285
22204	Virgo	8½	34 22.17	3,069	90 16 27.5	19,934	227
22205	Virgo	9	34 26.42	3,052	96 42 46.0	19,935	152
22206	Virgo	9	34 26.99	3,055	95 27 47.8	19,935	151
22207	Ursa Major ..	8	34 30.76	3,150	61 28 27.9	19,936	64
22208	Ursa Major ..	9	34 32.20	3,192	50 33 38.7	19,936	58
22209	Crater	9	34 33.28	3,049	98 2 40.4	19,936	330
22210	Crater ζ	4	34 38.34	3,024	107 14 25.8	19,937	233
22211	Leo	8½	34 38.36	3,105	76 37 42.0	19,937	149
22212	Leo	8½	34 38.36	3,125	69 23 22.9	19,937	228
22213	Crater ζ	4	34 38.41	3,024	107 14 21.4	19,937	232
22214	Crater ζ	4	34 38.71	3,024	107 14 19.3	19,937	334
22215	Ursa Major ..	8	34 41.29	3,214	45 40 46.9	19,937	7
22216	Leo	9	34 42.11	3,118	71 43 46.9	19,937	147
22217	Virgo	8	34 45.88	3,079	86 32 9.0	19,938	230
22218	Virgo	7½	34 47.59	3,071	89 24 8.7	19,938	227
22219	Virgo	8½	34 50.25	3,077	87 18 41.2	19,939	231
22220	Leo	6	34 51.46	3,110	74 37 33.5	19,939	223
22221	Virgo	8½	34 52.43	3,075	87 58 45.5	19,939	231
22222	Leo	8	34 57.51	3,126	68 59 53.6	19,940	58
22223	Virgo ξ	4½	34 58.12	3,094	80 37 49.7	19,940	224
22224	Ursa Major ..	7	34 58.79	3,148	61 40 14.1	19,940	64
22225	Leo	8½	35 1.07	3,107	75 34 39.6	19,940	149
22226	Ursa Major ..	9	35 2.95	3,173	54 38 49.9	19,941	60
22227	Ursa Major ..	7	35 4.27	3,179	52 59 46.3	19,941	57
22228	Ursa Major ..	8½	35 5.01	3,159	58 23 53.2	19,941	63
22229	Ursa Major ..	7½	35 5.10	3,179	52 59 47.5	19,941	60
22230	Leo	8	35 6.72	3,141	63 46 38.6	19,941	65
22231	Virgo	7½	35 7.32	3,090	81 51 24.3	19,942	226
22232*	Virgo	8	35 15.92	3,079	86 14 12.4	19,943	230
22233	Crater	8	35 22.50	3,016	110 21 42.0	19,944	285
22234	Ursa Major ..	9	35 23.44	3,179	52 35 57.0	19,944	57
22235	Virgo	8	35 24.64	3,086	83 23 35.4	19,944	229
22236	Ursa Major. χ	5	35 25.21	3,234	41 6 46.1	19,944	353
22237	Virgo	7½	35 28.46	3,079	86 3 44.1	19,945	230
22238	Leo	8	35 30.04	3,107	75 16 7.2	19,945	149
22239	Crater	8½	35 30.39	3,032	104 58 3.3	19,945	332
22240	Crater	8	11 35 31.15	+3,032	104 58 1.4	+19,945	232

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22241	Virgo	7½	11 35 33.46	+3,090	82 1 54.6	+19,946	226
22242	Virgo	4	35 34.26	3,089	82 21 2.1	19,946	226
22243	Leo	9	35 36.42	3,101	77 36 7.3	19,946	225
22244	Virgo	8	35 37.39	3,085	83 39 35.9	19,946	229
22245	Virgo	8	35 39.29	3,092	81 6 54.5	19,947	224
22246	Ursa Major ..	9	35 41.78	3,258	36 57 8.8	19,947	354
22247	Leo	8	35 46.31	3,125	58 34 17.2	19,948	68
22248	Virgo	7½	35 48.95	3,090	81 42 46.1	19,948	226
22249	Leo	9	35 56.00	3,120	70 4 27.6	19,949	228
22250	Virgo	9	35 58.12	3,053	96 39 33.9	19,949	152
22251	Leo	8	36 2.83	3,108	74 45 55.8	19,950	223
22252	Ursa Major ..	7½	36 4.02	3,376	24 29 39.7	19,950	355
22253	Crater	8	36 5.39	3,008	113 45 40.1	19,950	234
22254	Ursa Major ..	9	36 8.95	3,155	58 27 57.4	19,951	63
22255	Virgo .....	.	36 9.64	3,059	94 14 17.7	19,951	151
22256	Leo	8	36 11.02	3,106	75 11 56.1	19,951	149
22257	Leo	9	36 14.37	3,110	73 55 15.7	19,952	223
22258	Crater	8	36 19.70	3,009	113 51 45.0	19,953	234
22259	Virgo .....	.	36 27.10	3,063	92 37 41.0	19,954	150
22260	Ursa Major ..	9	36 28.66	3,154	58 16 40.2	19,954	63
22261	Ursa Major ..	9½	36 29.25	3,187	49 22 16.7	19,954	58
22262	Leo	7½	36 30.00	3,109	73 53 16.7	19,954	223
22263	Virgo	8½	36 31.46	3,061	93 35 0.0	19,954	151
22264	Virgo	8	36 31.48	3,081	85 24 52.1	19,954	230
22265	Virgo	8	36 34.21	3,085	83 42 59.0	19,954	229
22266	Crater	8	36 36.92	3,024	108 21 30.0	19,955	233
22267	Leo	7	36 37.77	3,133	65 10 9.1	19,955	66
22268	Leo	6½	36 37.85	3,133	65 10 10.9	19,955	65
22269	Virgo	7½	36 44.96	3,084	83 59 41.4	19,956	229
22270	Virgo	8	36 46.92	3,084	83 46 44.1	19,957	229
22271	Leo	8	36 49.44	3,120	69 34 57.2	19,957	228
22272	Ursa Major ..	9½	36 50.73	3,143	61 26 51.0	19,957	64
22273	Leo	7½	36 54.89	3,134	64 27 49.3	19,958	65
22274	Ursa Major ..	8	36 55.51	3,143	61 29 25.2	19,958	64
22275	Ursa Major ..	8½	36 55.51	3,143	61 29 25.5	19,958	62
22276	Virgo	8	36 56.86	3,085	83 30 10.6	19,958	229
22277	Virgo	8½	36 57.60	3,060	94 4 6.3	19,958	151
22278	Ursa Major ..	8	36 59.24	3,200	45 43 3.0	19,959	7
22279	Leo	7½	37 6.17	3,121	58 51 22.6	19,960	68
22280	Leo	9	11 37 7.47	+3,104	75 30 8.6	+19,960	149

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22281	Crater	6	11 37 14.43	+3,028	107 15 56.8	+19,961	232
22282	Virgo	37 19.42	3,060	94 9 6.6	19,961	151
22283	Leo	8	37 19.94	3,100	77 10 41.7	19,961	225
22284	Crater	7½	37 20.25	3,027	108 5 8.4	19,961	233
22285	Ursa Major ..	7½	37 27.79	3,157	56 23 54.6	19,963	59
22286	Leo	8	37 29.05	3,103	75 56 31.2	19,963	149
22287	Ursa Major ..	9	37 30.59	3,187	48 12 47.4	19,963	9
22288	Ursa Major ..	7½	37 31.82	3,141	61 32 56.5	19,963	62
22289	Ursa Major ..	7	37 31.97	3,141	61 32 54.2	19,963	64
22290	Leo	9	37 31.98	3,104	75 25 53.5	19,963	149
22291	Crater	8½	37 37.94	3,027	108 17 29.6	19,964	233
22292	Virgo A¹	4½	37 38.09	3,091	80 38 30.8	19,964	224
22293	Leo	4½	37 38.99	3,120	68 49 32.6	19,964	68
22294	Crater	8	37 43.68	3,036	104 21 0.5	19,965	332
22295	Crater	8	38 0.49	3,034	105 26 10.0	19,967	232
22296	Ursa Major ...	7	38 1.18	3,142	60 28 15.6	19,967	62
22297	Ursa Major ..	9	38 2.56	3,184	48 14 59.4	19,967	9
22298	Draco.....	8	38 8.76	3,392	21 33 38.4	19,968	385
22299	Draco.....	9	38 8.96	3,392	21 33 49.4	19,968	385
22300	Ursa Major ..	8½	38 11.92	3,167	52 23 50.9	19,969	57
22301	Ursa Major ..	7	38 12.18	3,143	60 5 16.3	19,969	62
22302	Crater	6	38 13.86	3,049	99 11 39.2	19,969	330
22303	Ursa Major ..	.	38 19.09	3,161	54 3 19.6	19,970	60
22304	Ursa Major ..	8½	38 19.22	3,150	57 41 9.7	19,970	63
22305	Leo	6	38 20.51	3,104	74 36 13.6	19,970	223
22306	Crater	8	38 23.96	3,019	111 58 52.2	19,971	234
22307	Leo	8½	38 34.31	3,096	78 12 18.3	19,972	225
22308	Leo	8	38 39.95	3,104	74 22 59.0	19,973	223
22309	Ursa Major ..	8½	38 40.74	3,167	51 51 18.4	19,973	57
22310	Crater	7½	38 44.03	3,035	105 29 19.4	19,973	232
22311	Ursa Major ..	7½	38 46.71	3,139	60 46 2.9	19,974	62
22312	Virgo.....	6½	38 49.58	3,071	89 12 25.4	19,974	228
22313	Virgo.....	6½	38 50.11	3,071	89 12 25.0	19,974	231
22314	Leo β	2	38 50.35	3,105	74 18 35.3	19,974	226
22315	Leo β	2	38 50.55	3,104	74 18 34.2	19,974	333
22316	Leo β	2	38 50.63	3,104	74 18 35.6	19,974	228
22317*	Leo β	2	38 50.67	3,104	74 18 31.6	19,974	327
22318	Leo β	2	38 50.76	3,104	74 18 35.0	19,974	149
22319	Leo β	2	38 50.83	3,104	74 18 34.3	19,974	223
22320	Leo β	2	11 38 51.17	+3,104	74 18 35.3	+19,974	147

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22321	Leo β	2	11 38 51.22	+3,104	74 18' 34.3	+19,974	224
22322	Virgo	6	38 51.39	3,083	83 41 42.0	19,974	229
22323	Virgo	9	38 54.27	3,060	94 40 18.1	19,975	151
22324	Ursa Major ..	7½	39 10.14	3,141	59 23 19.8	19,977	62
22325	Ursa Major ..	6	39 16.14	3,158	53 57 26.5	19,977	60
22326	Leo	8	39 18.31	3,114	69 57 2.6	19,978	228
22327	Ursa Major ..	9	39 28.22	3,179	47 33 26.0	19,979	9
22328	Crater	8½	39 29.05	3,034	106 30 10.9	19,979	232
22329	Ursa Major ..	9	39 29.70	3,163	52 8 27.6	19,979	57
22330	Virgo	8	39 31.49	3,077	86 39 21.4	19,979	230
22331	Ursa Major ..	8	39 34.17	3,184	46 9 54.2	19,980	7
22332	Virgo	8	39 40.00	3,062	93 44 20.7	19,981	151
22333	Ursa Major ..	8½	39 43.78	3,169	50 5 49.5	19,981	58
22334	Ursa Major ..	8	39 45.52	3,155	54 5 49.6	19,981	60
22335	Ursa Major ..	7½	39 47.13	3,136	60 46 1.6	19,982	64
22336	Virgo	8	39 55.79	3,092	79 22 27.0	19,983	225
22337	Virgo	8	40 4.77	3,093	78 49 16.2	19,983	225
22338	Crater	8	40 8.44	3,031	108 24 39.6	19,984	233
22339	Crater	6½	40 9.71	3,039	104 45 8.4	19,984	332
22340	Virgo	8	40 11.80	3,092	79 6 39.6	19,985	225
22341	Virgo..... β	4	40 15.33	3,075	87 6 26.5	19,985	224
22342	Virgo..... β	3	40 15.67	3,075	87 6 26.0	19,985	226
22343	Virgo..... β	2	40 16.00	3,075	87 6 24.0	19,985	150
22344	Virgo..... β	3	40 16.30	3,075	87 6 28.0	19,985	228
22345	Virgo..... β	3	40 16.44	3,075	87 6 24.7	19,985	229
22346	Virgo..... β	3½	40 16.54	3,075	87 6 30.2	19,985	230
22347	Virgo..... β	3	40 16.64	3,075	87 6 29.0	19,985	231
22348	Crater	9	40 19.47	3,031	108 34 6.6	19,986	233
22349	Ursa Major ..	8	40 21.16	3,134	60 47 32.0	19,986	62
22350	Ursa Major ..	7½	40 21.39	3,134	60 47 29.7	19,986	64
22351	Crater	8	40 21.77	3,035	106 37 45.6	19,986	232
22352	Virgo	8	40 31.95	3,085	82 32 33.6	19,987	226
22353	Ursa Major ..	8	40 32.06	3,148	55 17 2.7	19,987	60
22354	Ursa Major ..	7	40 32.13	3,148	55 17 7.7	19,987	59
22355	Ursa Major ..	9	40 32.61	3,158	51 59 44.6	19,987	57
22356	Ursa Major ..	10	40 34.70	3,164	50 12 36.7	19,988	58
22357	Ursa Major ..	.	40 39.60	3,158	52 2 13.6	19,988	57
22358	Leo	9	40 42.40	3,119	66 8 39.3	19,988	66
22359	Ursa Major ..	7	40 43.17	3,147	55 30 39.9	19,989	60
22360	Ursa Major ..	6	11 40 44.15	+3,147	55 30 52.9	+19,989	59

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22361	Virgo	6	11 40 49.64	+3,061	94 13 16.0	+19,989	151
22362	Crater	7½	40 51.48	3,054	98 11 40.9	19,989	330
22363	Crater	7½	40 51.80	3,046	102 12 43.6	19,989	329
22364	Virgo	8	40 58.21	3,056	96 52 46.8	19,990	152
22365	Ursa Major ..	9	40 59.67	3,177	45 57 26.5	19,991	7
22366	Leo	7½	41 10.03	3,095	77 4 55.9	19,992	149
22367	Virgo	8	41 17.72	3,085	82 = 42.8	19,993	226
22368	Crater	9	41 20.66	3,024	112 44 4.2	19,993	234
22369	Ursa Major ..	6½	41 21.85	3,158	50 50 17.3	19,993	58
22370	Virgo	9	41 23.23	3,078	85 37 37.6	19,994	230
22371	Virgo	9½	41 23.52	3,085	81 54 32.6	19,994	226
22372	Crater	8	41 24.60	3,029	110 31 28.6	19,994	285
22373	Crater	8	41 28.95	3,034	108 3 49.5	19,994	233
22374	Crater	8½	41 31.41	3,037	107 3 18.0	19,995	232
22375	Virgo	8½	41 34.31	3,092	78 54 34.3	19,995	225
22376	Virgo	8½	41 39.61	3,088	80 3 42.0	19,995	224
22377	Virgo	8	41 40.71	3,088	80 3 14.9	19,995	224
22378	Ursa Major ..	9½	41 44.48	3,123	63 9 54.1	19,996	64
22379	Leo	8½	41 48.27	3,108	70 7 30.8	19,996	228
22380	Virgo	9½	41 50.44	3,059	95 45 31.8	19,997	152
22381	Virgo	9	41 53.79	3,082	83 15 43.3	19,997	229
22382	Ursa Major ..	9	42 1.07	3,162	48 35 23.9	19,998	9
22383	Crater	8½	42 3.69	3,035	108 5 37.7	19,998	233
22384	Crater	8	42 3.95	3,036	108 4 43.5	19,998	233
22385	Virgo	7½	42 8.30	3,090	78 56 44.4	19,999	225
22386	Ursa Major ..	.	42 9.62	3,150	52 17 51.9	19,999	57
22387	Leo	8	42 11.39	3,102	72 42 6.4	19,999	147
22388	Virgo	8	42 11.77	3,077	85 47 16.9	19,999	230
22389	Leo	9	42 11.91	3,115	66 10 30.4	19,999	66
22390	Leo	7½	42 12.00	3,111	68 28 48.6	19,999	68
22391	Ursa Major ..	8½	42 13.66	3,160	48 44 56.0	19,999	9
22392	Crater	7½	42 18.56	3,046	103 1 8.9	20,000	329
22393	Crater	7½	42 19.00	3,046	103 0 57.3	20,000	332
22394	Crater	9	42 20.39	3,038	107 13 25.9	20,000	232
22395	Ursa Major ..	8½	42 20.95	3,132	58 38 29.9	20,000	63
22396	Ursa Major ..	8½	42 23.14	3,128	60 28 44.9	20,000	62
22397	Ursa Major ..	8½	42 24.36	3,127	60 41 43.0	20,000	62
22398	Leo	6½	42 27.28	3,101	73 26 51.2	20,001	223
22399	Virgo	9	42 29.37	3,085	81 16 43.7	20,001	226
22400	Ursa Major ..	8½	11 42 30.79	+3,133	58 3 38.4	+20,001	63

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22401	Virgo	8	11 42 35.62	+3,087	80° 18' 55.5	+20,002	224
22402	Leo	8	42 38.24	3,096	75 27 58.8	20,002	149
22403	Crater	8	42 46.84	3,039	106 57 10.5	20,003	232
22404	Ursa Major ..	9	42 54.54	3,124	61 34 51.5	20,004	64
22405	Ursa Major ..	9	42 56.16	3,124	61 29 51.5	20,004	64
22406	Crater	8	43 2.31	3,044	104 33 40.5	20,005	332
22407	Leo	8½	43 6.45	3,100	72 54 11.5	20,005	223
22408	Leo	9	43 6.66	3,100	72 54 16.8	20,005	147
22409	Ursa Major ..	7½	43 10.88	3,165	45 58 11.6	20,005	7
22410	Virgo	8	43 13.65	3,065	92 46 14.7	20,006	150
22411	Ursa Major γ	2	43 14.08	3,208	35 11 35.6	20,006	354
22412	Ursa Major ..	7	43 23.82	3,137	55 16 17.8	20,007	60
22413	Ursa Major ..	7	43 23.97	3,137	55 16 17.7	20,007	59
22414	Virgo	9	43 24.53	3,086	80 22 54.6	20,007	224
22415	Ursa Major ..	7	43 25.07	3,157	47 58 13.5	20,007	9
22416	Crater	8	43 29.80	3,045	104 30 5.2	20,007	332
22417	Leo	9	43 32.34	3,099	72 58 37.9	20,008	147
22418	Crater	9	43 33.64	3,050	101 27 2.5	20,008	329
22419	Draco.....	9	43 33.84	3,288	23 39 57.4	20,008	355
22420	Leo	9	43 34.69	3,107	68 32 58.6	20,008	68
22421	Virgo	6½	43 36.29	3,072	88 20 9.4	20,008	231
22422	Leo	8½	43 37.32	3,099	72 58 36.6	20,008	223
22423	Virgo	7	43 38.82	3,064	92 39 37.5	20,008	150
22424	Ursa Major ..	8	43 40.77	3,123	60 55 26.9	20,009	64
22425	Ursa Major ..	8½	43 41.53	3,147	50 55 58.5	20,009	58
22426	Virgo	8½	43 48.14	3,070	89 55 34.2	20,009	228
22427	Virgo	7½	43 48.49	3,080	84 0 29.6	20,010	229
22428	Leo	8	43 48.89	3,092	76 49 25.7	20,010	149
22429	Leo	8	43 49.20	3,103	70 24 10.1	20,010	228
22430	Virgo	9	43 51.52	3,085	80 31 29.8	20,010	224
22431	Virgo	9	43 53.90	3,080	83 53 29.4	20,010	229
22432*	Virgo	7½	43 55.29	3,088	78 59 24.4	20,010	225
22433	Virgo	9	43 59.57	3,064	93 15 16.7	20,011	151
22434	Ursa Major ..	9	43 59.83	3,146	50 50 57.4	20,011	58
22435	Virgo	7½	44 6.52	3,088	78 50 12.2	20,012	225
22436	Leo	7½	44 16.72	3,095	74 43 57.9	20,012	223
22437	Crater	8½	44 23.21	3,035	110 46 54.7	20,013	285
22438	Crater	8	44 28.63	3,054	99 56 10.7	20,013	326
22439	Hydra	6	44 32.62	3,028	114 36 16.2	20,014	234
22440	Virgo	9½	11 44 34.19	+3,081	83 5 1.6	+20,014	226

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22441	Crater	8½	11 44 37.51	+3,051	101 38 6.2	+20,014	329
22442	Ursa Major ..	6½	44 38.49	3,168	42 24 36.9	20,014	353
22443	Virgo	9	44 39.47	3,057	98 17 48.3	20,015	330
22444	Leo	9	44 40.22	3,090	77 11 37.2	20,015	149
22445	Ursa Major ..	7½	44 44.65	3,167	42 24 59.9	20,015	353
22446	Virgo	9	44 47.10	3,071	89 26 31.2	20,015	228
22447	Virgo A²	5½	44 47.19	3,085	80 26 34.7	20,015	224
22448	Virgo	8	44 49.24	3,073	87 34 12.1	20,016	231
22449	Leo	9	44 51.74	3,094	74 29 58.7	20,016	223
22450	Ursa Major ..	6½	44 52.49	3,138	52 7 38.8	20,016	57
22451	Virgo	7½	44 52.72	3,076	85 40 4.8	20,016	230
22452	Draco	8	44 57.09	3,291	21 37 23.5	20,016	385
22453	Ursa Major ..	7½	44 57.73	3,143	50 7 42.7	20,017	58
22454	Virgo	9	45 2.52	3,066	92 19 40.7	20,017	150
22455	Coma	6½	45 5.43	3,113	63 21 48.7	20,017	65
22456	Virgo	-	45 9.07	3,066	92 29 3.1	20,017	150
22457	Ursa Major ..	9	45 9.28	3,132	54 21 50.0	20,018	60
22458	Virgo	7½	45 9.82	3,073	87 47 17.5	20,018	231
22459	Virgo	9	45 13.19	3,080	83 9 2.7	20,018	226
22460	Virgo	7	45 13.36	3,064	94 2 11.8	20,018	151
22461	Virgo	8½	45 14.21	3,077	85 20 31.9	20,018	229
22462	Corvus	8	45 21.95	3,032	113 44 48.6	20,018	234
22463	Leo..... 0	6	45 22.51	3,095	73 14 22.1	20,019	223
22464	Leo..... 0	6	45 22.57	3,095	73 14 23.2	20,019	147
22465	Leo	8	45 23.82	3,107	66 14 34.6	20,019	66
22466	Virgo	9½	45 26.90	3,082	82 1 21.9	20,019	226
22467	Leo	9	45 28.33	3,107	66 12 11.6	20,019	66
22468	Ursa Major ..	6	45 38.31	3,132	53 32 44.6	20,020	328
22469	Ursa Major ..	6½	45 38.55	3,131	53 32 43.3	20,020	60
22470	Ursa Major ..	6½	45 40.11	3,144	48 14 11.8	20,020	9
22471	Coma	8	45 40.66	3,111	63 23 20.7	20,020	65
22472	Ursa Major ..	8½	45 41.05	3,122	57 40 59.0	20,020	63
22473	Crater	8	45 41.58	3,038	110 32 22.9	20,020	285
22474	Virgo	9	45 45.01	3,076	85 38 49.8	20,021	230
22475	Crater	7½	45 45.63	3,038	111 4 15.0	20,021	285
22476	Corvus	9	45 46.57	3,033	113 48 34.1	20,021	234
22477	Virgo	9	45 46.84	3,069	90 19 33.1	20,021	228
22478	Crater η	4	45 49.30	3,046	106 2 13.4	20,021	329
22479	Ursa Major ..	-	45 49.44	3,126	55 41 22.2	20,021	59
22480	Crater η	4	11 45 50.47	+3,046	106 2 12.7	+20,021	232

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22481	Crater	4½	11 45 50,56	+3,046	106 2 10,5	+20,021	332
22482	Ursa Major ..	•	45 51,15	3,133	52 38 17,3	20,021	57
22483	Leo	8½	45 55,30	3,095	73 9 18,2	20,022	147
22484	Ursa Major ..	7½	45 55,67	3,117	60 1 41,6	20,022	62
22485	Ursa Major ..	6	45 56,96	3,130	53 26 20,3	20,022	60
22486	Ursa Major ..	6	45 57,15	3,130	53 26 21,5	20,022	328
22487	Draco	7	45 58,96	3,256	23 38 32,5	20,022	355
22488	Ursa Major ..	6½	46 0,21	3,146	46 52 12,3	20,022	7
22489	Coma	6½	46 3,30	3,113	62 12 25,3	20,023	64
22490	Ursa Major ..	8	46 7,89	3,128	53 58 56,8	20,023	60
22491	Ursa Major ..	7½	46 8,09	3,128	53 58 56,0	20,023	328
22492	Leo	7	46 9,72	3,092	74 41 55,9	20,023	223
22493	Leo	9	46 16,29	3,089	76 32 8,3	20,024	149
22494	Crater	9½	46 18,64	3,039	110 56 38,0	20,024	285
22495	Virgo	8½	46 24,93	3,065	93 29 37,5	20,024	151
22496	Ursa Major ..	•	46 26,12	3,122	56 40 55,2	20,024	59
22497	Ursa Major ..	9	46 27,63	3,139	48 31 46,1	20,024	9
22498	Virgo	9	46 29,31	3,086	78 16 18,5	20,024	225
22499	Crater	7½	46 31,61	3,056	99 36 16,6	20,025	326
22500	Virgo	7	46 32,72	3,079	83 32 28,9	20,025	229
22501	Virgo	7½	46 37,75	3,086	78 21 32,6	20,025	225
22502	Crater	6½	46 43,12	3,052	102 37 59,4	20,026	329
22503	Crater	6	46 44,71	3,055	100 59 34,9	20,026	326
22504	Ursa Major ..	8	46 45,09	3,138	48 35 50,1	20,026	9
22505	Ursa Major ..	8½	46 48,45	3,122	55 32 1,1	20,026	59
22506	Virgo	7	46 48,99	3,065	93 40 9,0	20,026	151
22507	Leo	9	46 49,19	3,092	73 42 8,6	20,026	223
22508	Ursa Major ..	7	46 55,48	3,137	48 37 20,1	20,027	9
22509	Virgo	9	46 55,79	3,078	83 25 10,7	20,027	229
22510	Virgo	•	46 55,80	3,066	93 0 40,5	20,027	150
22511	Coma	8	47 0,00	3,103	66 13 31,6	20,027	66
22512	Coma	7	47 6,33	3,109	62 6 55,1	20,028	64
22513	Crater	8	47 7,23	3,040	111 25 17,7	20,028	234
22514	Virgo	9	47 7,34	3,066	92 51 22,1	20,028	150
22515	Virgo	9	47 9,35	3,075	85 50 8,1	20,028	230
22516	Crater	8	47 11,19	3,056	100 41 22,7	20,028	326
22517	Draco	9	47 15,64	3,255	21 48 26,8	20,029	385
22518	Coma	8½	47 15,95	3,112	60 19 50,9	20,029	62
22519	Leo	8	47 16,47	3,098	68 54 22,2	20,029	68
22520	Leo	•	11 47 25,67	+3,094	71 25 4,0	+20,030	147

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22521	Leo	6½	11 47 26,14	+3,094	71 25 9,4	+20,030	228
22522	Virgo	9	47 29,42	3,079	82 35 20,9	20,030	226
22523	Virgo	7	47 29,70	3,080	81 54 29,8	20,030	226
22524	Coma	9	47 30,91	3,102	65 54 35,4	20,030	66
22525	Virgo .....	.	47 32,90	3,061	97 9 24,0	20,030	152
22526	Virgo	7½	47 33,55	3,083	79 53 44,9	20,030	224
22527	Virgo .....	.	47 33,64	3,060	97 26 11,8	20,030	152
22528	Coma	9½	47 35,59	3,105	63 55 15,3	20,030	65
22529	Crater	8½	47 39,09	3,048	106 59 14,0	20,030	232
22530	Crater	7½	47 40,97	3,046	107 51 57,6	20,030	233
22531	Virgo	8½	47 41,29	3,058	98 11 56,1	20,030	153
22532	Coma	7½	47 44,61	3,105	63 49 51,2	20,031	65
22533	Crater	8½	47 47,25	3,053	102 59 53,9	20,031	329
22534	Ursa Major ..	6½	47 49,38	3,116	56 36 37,1	20,031	59
22535	Coma	9	47 53,28	3,107	61 58 25,1	20,031	64
22536	Virgo .....	.	47 54,25	3,066	93 15 37,2	20,031	150
22537	Virgo	6½	47 58,64	3,075	85 24 13,3	20,032	230
22538	Virgo	8	47 58,65	3,072	88 0 51,9	20,032	231
22539	Coma	8	48 0,59	3,099	67 6 30,6	20,032	66
22540	Coma	8	48 7,75	3,106	62 2 57,2	20,033	64
22541	Ursa Major ..	7½	48 8,48	3,115	56 57 51,4	20,033	59
22542	Ursa Major ..	7	48 10,82	3,149	41 7 15,8	20,033	353
22543	Ursa Major ..	8	48 14,03	3,113	57 32 54,0	20,033	63
22544	Ursa Major ..	9	48 15,84	3,130	48 42 16,3	20,033	9
22545	Crater	8½	48 20,44	3,057	100 27 44,8	20,034	326
22546	Crater	7½	48 20,78	3,053	103 59 57,0	20,034	332
22547	Ursa Major ..	8	48 24,95	3,124	51 0 37,5	20,034	58
22548	Ursa Major ..	8½	48 31,44	3,112	57 45 1,2	20,035	63
22549	Virgo	8	48 32,62	3,077	84 3 14,5	20,035	229
22550	Crater	8	48 33,85	3,053	103 44 53,8	20,035	332
22551	Crater	8½	48 34,58	3,050	106 38 48,3	20,035	232
22552	Ursa Major ..	9	48 39,80	3,111	58 5 1,5	20,035	63
22553	Leo	9	48 47,04	3,085	76 48 46,7	20,035	149
22554	Virgo	8	48 47,51	3,063	95 32 31,6	20,035	152
22555	Virgo	6½	48 49,88	3,072	88 21 24,7	20,035	231
22556	Corvus	8½	48 50,77	3,043	112 17 57,7	20,036	234
22557	Virgo	8	49 0,18	3,067	92 12 25,7	20,036	150
22558	Coma	8½	49 2,84	3,104	61 46 11,9	20,037	64
22559	Virgo	9	49 12,77	3,084	77 2 1,1	20,037	149
22560	Virgo	9½	11 49 16,28	+3,083	78 12 18,4	+20,037	225

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22561	Ursa Major ..	9	11 49 19.83	+3,124	48 53 7.4	+20,038	9
22562	Virgo	7	49 20.33	3,069	90 48 12.3	20,038	228
22563	Virgo	9½	49 22.88	3,080	80 11 19.3	20,038	224
22564	Virgo	9	49 24.98	3,080	80 14 42.5	20,038	224
22565	Ursa Major ..	9	49 28.78	3,113	54 55 29.7	20,038	60
22566	Ursa Major ..	7	49 39.29	3,112	54 51 12.6	20,039	60
22567	Ursa Major ..	6½	49 39.46	3,112	54 51 9.6	20,039	328
22568	Coma	9	49 40.55	3,098	64 56 33.3	20,039	65
22569*	Ursa Major ..	8½	49 40.73	3,129	45 32 30.4	20,039	7
22570	Virgo	8½	49 41.41	3,063	96 31 37.3	20,039	152
22571	Virgo b,	5½	49 41.67	3,075	85 13 42.4	20,039	229
22572	Virgo b	6	49 42.29	3,075	85 13 50.1	20,039	230
22573	Leo	6½	49 49.59	3,092	69 27 55.1	20,040	228
22574	Ursa Major ..	7½	49 51.61	3,116	52 9 22.0	20,040	57
22575	Ursa Major ..	.	49 53.54	3,108	56 38 44.2	20,040	59
22576	Crater	8	49 57.07	3,053	105 28 15.9	20,040	232
22577	Ursa Major ..	8	49 58.86	3,115	52 9 4.9	20,041	57
22578	Virgo	9	50 1.12	3,063	96 42 1.9	20,041	152
22579	Crater	8	50 3.11	3,053	105 33 36.4	20,041	232
22580	Virgo	9	50 9.40	3,077	82 22 55.6	20,041	226
22581	Virgo	8	50 16.40	3,075	84 47 1.1	20,041	230
22582	Corvus	9	50 17.13	3,048	110 45 54.9	20,041	285
22583	Leo	8	50 21.61	3,090	70 33 8.4	20,042	228
22584	Virgo	9	50 25.00	3,066	94 0 20.0	20,042	151
22585	Virgo	6	50 29.10	3,061	99 18 17.4	20,042	326
22586	Corvus	6	50 29.81	3,049	110 43 24.5	20,042	285
22587	Coma	8½	50 29.92	3,102	59 41 51.6	20,042	62
22588	Ursa Major ..	8	50 32.89	3,107	55 55 19.5	20,042	59
22589	Virgo	9	50 35.08	3,061	98 50 48.3	20,042	153
22590	Virgo π	5	50 37.08	3,077	82 16 12.4	20,043	226
22591	Crater	6	50 37.98	3,051	108 32 38.0	20,043	234
22592	Crater	4½	50 38.85	3,051	108 32 37.9	20,043	233
22593	Virgo	8	50 46.05	3,078	80 58 13.5	20,043	224
22594	Virgo	6½	50 47.87	3,069	90 38 57.0	20,043	228
22595	Virgo	8½	50 47.91	3,083	75 52 34.5	20,043	149
22596	Virgo	7½	50 56.12	3,074	85 15 3.8	20,044	230
22597	Virgo	7½	50 56.18	3,074	85 15 9.2	20,044	230
22598	Virgo	9	50 56.58	3,062	98 45 43.1	20,044	153
22599	Coma	7½	50 57.98	3,102	58 14 37.7	20,044	63
22600	Draco	7½	11 50 58.41	+3,195	22 45 51.6	+20,044	385

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22601	Virgo	7	11 50 58,85	+3,082	76 30 21,4	+20,044	149
22602	Coma	51 1,31	3,094	64 40 7,1	20,044	65
22603	Corvus	8	51 10,24	3,051	109 32 47,5	20,045	234
22604	Corvus	7	51 10,35	3,051	109 32 55,6	20,045	285
22605	Virgo	9	51 13,13	3,063	97 2 22,9	20,045	152
22606	Virgo	8	51 13,16	3,076	82 22 48,6	20,045	226
22607	Virgo	8½	51 13,42	3,073	86 31 14,4	20,045	230
22608	Ursa Major ..	9	51 14,33	3,119	45 50 31,6	20,045	7
22609	Draco	7½	51 15,53	3,184	23 56 38,0	20,045	355
22610	Ursa Major ..	9	51 22,83	3,113	49 17 46,1	20,045	58
22611	Virgo	9	51 23,63	3,080	77 48 58,8	20,045	225
22612	Ursa Major ..	5½	51 24,12	3,108	52 50 19,7	20,045	328
22613	Ursa Major ..	.	51 24,14	3,108	52 50 19,9	20,045	60
22614	Coma	8½	51 26,34	3,099	59 20 7,2	20,046	62
22615	Crater	9	51 26,49	3,053	108 13 30,0	20,046	233
22616	Coma	6½	51 28,61	3,091	66 47 29,4	20,046	67
22617	Coma	9	51 29,79	3,101	57 59 11,5	20,046	63
22618	Virgo	9	51 31,93	3,071	88 21 12,7	20,046	231
22619	Ursa Major ..	.	51 47,00	3,101	55 33 10,1	20,047	59
22620	Corvus	8	51 49,10	3,053	109 41 38,8	20,047	234
22621	Corvus	7½	51 49,56	3,053	109 41 35,6	20,047	285
22622	Coma	8½	51 52,90	3,100	57 38 9,2	20,047	63
22623	Ursa Major ..	5	51 55,46	3,115	45 50 40,7	20,047	7
22624	Ursa Major ..	10	51 55,81	3,110	49 20 8,1	20,047	58
22625	Ursa Major ..	8	52 3,27	3,115	45 44 39,6	20,047	7
22626	Leo	9	52 4,70	3,083	74 6 13,2	20,047	223
22627	Virgo	8	52 7,24	3,071	88 19 16,6	20,048	231
22628	Crater	7½	52 12,22	3,061	100 49 11,2	20,048	326
22629	Virgo	9	52 14,18	3,080	77 0 26,1	20,048	149
22630	Crater	7½	52 16,22	3,061	100 51 28,3	20,048	326
22631	Virgo	8½	52 16,50	3,071	88 50 32,6	20,048	231
22632	Ursa Major ..	6	52 18,22	3,113	45 46 14,7	20,048	7
22633	Ursa Major ..	8½	52 18,24	3,111	47 36 19,5	20,048	9
22634	Virgo	7½	52 20,10	3,077	80 48 52,3	20,048	224
22635	Ursa Major ..	8	52 23,70	3,103	53 9 27,9	20,048	57
22636	Ursa Major ..	8	52 24,51	3,103	53 9 28,2	20,048	60
22637	Ursa Major ..	8	52 24,74	3,103	53 9 28,9	20,048	328
22638	Coma	8	52 26,44	3,091	64 25 59,9	20,048	65
22639	Canes Venatici.	8½	52 28,43	3,098	57 22 17,9	20,049	63
22640	Coma	11 52 29,93	+3,091	64 2 56,5	+20,049	65

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22641	Ursa Major ..	9	11 52 35.47	+3,102	53 14 39.3	+20,049	60
22642	Virgo	6	52 37.51	3,065	96 34 12.7	20,049	152
22643	Virgo	7	52 39.10	3,080	76 4 32.8	20,049	149
22644	Crater	8½	52 42.21	3,062	100 41 53.7	20,049	326
22645	Ursa Major ..	8	52 43.50	3,108	47 35 16.5	20,049	9
22646	Virgo	9½	52 45.54	3,067	94 9 5.5	20,049	151
22647	Corvus	9	52 47.13	3,053	111 2 17.9	20,049	234
22648	Crater	8	52 52.46	3,058	105 20 26.2	20,050	332
22649	Crater	•	52 53.06	3,058	105 20 32.3	20,050	232
22650	Coma	8	52 56.85	3,087	67 8 17.8	20,050	67
22651	Virgo	8	52 59.42	3,068	92 16 36.0	20,050	150
22652	Virgo	8½	53 0.89	3,069	90 30 49.8	20,050	228
22653	Coma	8	53 2.82	3,093	59 45 50.6	20,050	62
22654	Virgo	8	53 9.56	3,077	79 37 58.5	20,051	224
22655	Coma	7½	53 17.85	3,093	59 12 20.1	20,051	62
22656	Virgo	6½	53 22.13	3,067	94 21 51.0	20,051	151
22657	Draco.....	9½	53 26.74	3,157	23 40 52.7	20,051	355
22658	Coma	9	53 29.17	3,088	63 46 44.4	20,051	65
22659	Virgo	7	53 31.54	3,074	83 19 20.1	20,052	226
22660	Virgo	6	53 31.88	3,074	83 19 21.6	20,052	230
22661	Ursa Major ..	10	53 43.58	3,100	50 40 27.3	20,052	58
22662	Virgo	9	53 44.24	3,073	85 31 42.7	20,052	230
22663	Virgo	7½	53 44.79	3,072	85 43 23.0	20,052	230
22664	Virgo	8	53 46.17	3,064	99 10 56.5	20,052	153
22665	Coma	7½	53 46.54	3,083	70 3 57.8	20,052	228
22666	Coma	8	53 46.77	3,087	63 56 56.5	20,052	65
22667	Virgo	9	53 50.24	3,072	85 30 48.6	20,052	230
22668	Coma	8	53 50.33	3,090	60 49 30.6	20,052	62
22669	Ursa Major ..	•	53 50.47	3,099	50 53 1.5	20,052	58
22670	Virgo	8	53 52.07	3,076	79 11 8.8	20,052	224
22671	Virgo	9	53 54.35	3,073	83 53 53.6	20,053	230
22672	Virgo	8	53 59.69	3,071	87 25 19.9	20,053	231
22673	Corvus	9	54 0.24	3,056	111 15 24.8	20,053	234
22674	Virgo	9½	54 0.77	3,064	98 34 21.6	20,053	153
22675	Coma	5½	54 1.08	3,084	67 25 36.0	20,053	67
22676	Coma	5½	54 1.22	3,084	67 25 38.0	20,053	68
22677	Corvus	8½	54 3.34	3,057	109 55 27.6	20,053	234
22678	Virgo	7	54 3.86	3,073	83 57 11.7	20,053	230
22679	Ursa Major ..	9	54 13.21	3,095	52 31 50.3	20,053	57
22680*	Draco.....	8	11 54 19.31	+3,149	22 33 12.4	+20,053	385

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22681	Ursa Major ..	9	11 54 24.65	+3,102	45 32 31.5	+20,053	7
22682	Canes Venatici.	8	54 25.89	3,094	53 19 4.4	20,053	60
22683	Canes Venatici.	7	54 26.35	3,094	53 19 1.9	20,053	328
22684	Corvus	9	54 26.42	3,058	110 14 5.0	20,053	234
22685	Coma	8	54 27.44	3,080	72 36 55.6	20,053	147
22686	Virgo	7	54 28.69	3,072	85 18 39.3	20,053	230
22687	Virgo	8	54 29.62	3,066	96 51 42.6	20,053	152
22688	Virgo .....	.	54 30.95	3,067	94 39 32.9	20,054	151
22689	Canes Venatici.	8	54 36.31	3,091	56 1 59.6	20,054	59
22690	Canes Venatici.	9	54 36.43	3,093	53 11 51.3	20,054	60
22691	Crater	8	54 44.27	3,062	103 25 3.6	20,054	329
22692	Crater	8	54 47.08	3,062	103 24 59.2	20,054	332
22693	Virgo	8	54 49.14	3,075	79 38 35.5	20,054	224
22694	Virgo	8	54 51.12	3,072	85 30 37.7	20,054	230
22695	Virgo	9	54 51.49	3,065	98 11 36.4	20,054	153
22696	Coma	8½	54 52.22	3,088	58 2 56.6	20,054	63
22697	Canes Venatici.	7	54 54.17	3,090	55 7 56.5	20,054	328
22698	Virgo	7½	54 55.08	3,077	75 23 53.9	20,054	149
22699	Ursa Major ..	9	54 58.43	3,094	50 1 51.7	20,055	58
22700	Coma	9	54 59.61	3,078	74 2 0.0	20,055	223
22701	Virgo	8½	55 5.06	3,069	90 23 51.5	20,055	228
22702*	Ursa Major ..	8½	55 9.59	3,093	50 13 38.9	20,055	58
22703	Coma	8	55 9.73	3,088	57 40 30.2	20,055	63
22704	Coma	7½	55 11.37	3,079	71 35 34.3	20,055	147
22705	Virgo	8	55 13.08	3,076	77 55 30.0	20,055	225
22706	Ursa Major ..	9	55 19.64	3,096	45 43 10.6	20,055	7
22707	Ursa Major ..	8½	55 20.48	3,106	36 57 13.3	20,055	354
22708	Virgo	6	55 20.98	3,067	94 43 53.1	20,055	151
22709	Virgo	9	55 28.24	3,068	94 34 23.7	20,056	151
22710	Virgo	8	55 34.79	3,068	94 44 29.1	20,056	151
22711	Virgo	7	55 35.91	3,073	83 31 37.1	20,056	230
22712	Virgo	9	55 36.57	3,067	95 25 31.5	20,056	152
22713	Coma	9½	55 41.83	3,082	63 12 55.3	20,056	64
22714	Coma	8	55 44.32	3,078	72 6 25.0	20,056	147
22715	Virgo	7	55 45.45	3,069	92 0 57.5	20,056	150
22716	Crater	8	55 46.40	3,064	102 12 9.6	20,056	329
22717	Coma	8	55 46.72	3,081	65 40 49.4	20,056	67
22718	Coma	9	55 51.16	3,081	64 6 50.7	20,056	65
22719	Coma	9	55 51.85	3,082	63 6 45.2	20,056	64
22720	Virgo	9	11 55 52.03	+3,075	78 24 11.7	+20,056	225

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22721	Ursa Major ..	9	11 55 55.83	+3,090	50 3 13.7	+20,056	58
22722	Corvus	8½	55 59.32	3,062	109 2 32.2	20,056	233
22723	Corvus	8	56 1.91	3,060	111 40 58.3	20,056	234
22724	Ursa Major ..	7½	56 8.21	3,094	42 35 59.7	20,057	352
22725	Virgo	8½	56 9.29	3,075	76 22 16.2	20,057	149
22726	Virgo	9	56 18.02	3,075	76 27 25.4	20,057	149
22727	Canes Venatici.	7½	56 26.11	3,084	55 19 7.0	20,057	59
22728	Virgo	8½	56 28.93	3,070	88 36 37.3	20,057	231
22729	Virgo	9	56 29.09	3,067	98 17 42.8	20,057	153
22730	Coma	8½	56 29.72	3,082	59 23 45.4	20,057	62
22731	Coma	8	56 30.03	3,082	59 23 37.6	20,057	564
22732	Virgo	8½	56 31.27	3,072	83 35 11.1	20,057	230
22733	Crater	9	56 31.62	3,064	106 51 45.6	20,057	232
22734	Crater	6½	56 33.67	3,066	101 7 40.3	20,057	329
22735	Crater	6	56 33.90	3,066	101 7 33.3	20,057	326
22736	Virgo	9½	56 36.55	3,068	95 35 10.0	20,057	152
22737	Canes Venatici.	8	56 40.79	3,083	55 26 48.1	20,057	59
22738	Ursa Major ..	9	56 42.84	3,092	41 0 35.7	20,058	353
22739	Corvus	7½	56 47.11	3,062	112 39 19.3	20,058	234
22740	Ursa Major ..	9	56 47.12	3,091	41 44 29.8	20,058	353
22741	Virgo	7	56 56.39	3,074	75 53 43.7	20,058	149
22742	Virgo	7½	56 57.51	3,070	89 30 56.5	20,058	228
22743	Virgo	7	56 57.66	3,073	79 13 21.9	20,058	225
22744	Virgo	8	56 59.13	3,068	94 58 16.8	20,058	151
22745	Virgo	7	57 0.25	3,068	95 39 10.2	20,058	152
22746	Virgo	8	57 1.93	3,070	88 27 42.0	20,058	231
22747	Virgo	8	57 2.67	3,073	78 20 58.6	20,058	225
22748	Virgo	8½	57 7.73	3,067	99 37 35.7	20,058	326
22749	Coma	8	57 9.15	3,076	69 31 57.3	20,058	228
22750	Ursa Major ..	8½	57 9.43	3,086	45 47 17.7	20,058	7
22751	Corvus	7	57 12.41	3,065	107 4 37.8	20,058	232
22752	Corvus	7	57 12.52	3,065	107 4 38.0	20,058	233
22753	Canes Venatici.	9	57 13.81	3,081	55 10 27.8	20,058	59
22754	Coma	8	57 15.55	3,077	65 50 37.5	20,058	67
22755	Virgo	7	57 18.49	3,071	84 22 13.9	20,058	230
22756	Corvus	7½	57 21.69	3,063	112 50 54.9	20,058	234
22757	Virgo	6½	57 22.42	3,074	75 22 5.6	20,058	223
22758	Virgo	8½	57 22.74	3,073	76 13 12.1	20,058	149
22759	Ursa Major ..	8	57 24.45	3,084	46 48 54.5	20,058	7
22760	Coma	8	11 57 32.91	+3,078	58 27 49.0	+20,059	63

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22761	Virgo	7	11 57 46,53	+3,070	88 15 46,6	+20,059	231
22762	Virgo	8	57 49,00	3,071	82 50 56,3	20,059	226
22763	Coma	9	57 49,67	3,076	65 11 1,7	20,059	65
22764	Coma	7	57 54,40	3,077	57 50 1,5	20,059	63
22765	Coma	9	57 55,76	3,075	64 59 40,6	20,059	65
22766	Virgo	9	57 57,03	3,069	93 52 24,0	20,059	151
22767	Virgo	8½	57 57,70	3,069	93 10 20,3	20,059	150
22768	Ursa Major ..	7	57 58,26	3,080	49 13 45,9	20,059	9
22769	Virgo	7½	58 1,73	3,068	97 22 14,9	20,059	153
22770	Coma	7½	58 3,73	3,077	58 36 31,2	20,059	63
22771	Virgo	8	58 4,15	3,071	85 13 42,2	20,059	230
22772	Corvus	8	58 4,48	3,066	107 27 58,9	20,059	232
22773	Corvus	8	58 4,48	3,066	107 27 55,5	20,059	233
22774	Virgo	9	58 5,03	3,069	90 58 32,8	20,059	228
22775	Corvus α	4	58 5,96	3,065	113 36 38,9	20,059	285
22776	Corvus α	4	58 6,99	3,065	113 36 45,9	20,059	234
22777	Corvus α	4	58 7,05	3,065	113 36 40,3	20,059	286
22778	Corvus α	4	58 7,23	3,065	113 36 49,7	20,059	565
22779	Ursa Major ..	8	58 9,95	3,080	44 58 53,9	20,059	352
22780	Ursa Major ..	9	58 13,01	3,092	25 0 4,9	20,059	355
22781	Virgo	9½	58 13,21	3,069	93 13 23,4	20,059	150
22782	Virgo	9	58 19,87	3,069	95 44 20,5	20,059	152
22783	Coma	7	58 23,90	3,075	62 23 22,7	20,059	64
22784	Virgo	9½	58 25,74	3,072	76 5 30,9	20,059	149
22785	Draco	8	58 27,69	3,090	23 32 15,2	20,059	385
22786	Virgo	8	58 27,78	3,070	85 46 39,2	20,059	230
22787	Corvus	7	58 28,47	3,067	107 19 16,2	20,059	232
22788	Corvus	7½	58 28,80	3,067	107 19 21,6	20,059	233
22789	Virgo	9	58 44,73	3,071	76 11 55,1	20,059	149
22790	Virgo	9	58 45,07	3,069	94 2 2,4	20,059	151
22791	Canes Venatici.	8½	58 56,73	3,074	56 57 50,5	20,059	59
22792	Coma	7	58 59,37	3,072	71 41 54,4	20,059	147
22793	Coma	7	59 1,46	3,071	74 3 15,0	20,059	223
22794	Virgo	8	59 4,40	3,071	77 35 35,5	20,059	225
22795	Coma	8½	59 6,39	3,071	73 28 4,3	20,059	223
22796	Crater	8	59 6,49	3,069	101 49 30,1	20,059	329
22797	Virgo	8½	59 7,78	3,070	85 46 45,2	20,059	230
22798	Crater	7	59 8,73	3,069	100 43 55,9	20,059	326
22799	Ursa Major ..	8½	59 8,77	3,074	46 24 12,1	20,059	7
22800	Ursa Major ..	8½	11 59 10,88	+3,076	35 29 6,0	+20,059	354

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22801	Coma	•	11 59 11,07	+3,072	59 25 30,4	+20,059	62
22802	Virgo	8	59 12,11	3,070	89 38 26,9	20,059	228
22803	Crater	9	59 13,23	3,069	100 44 9,9	20,059	326
22804	Corvus	8½	59 15,77	3,068	109 56 15,9	20,059	234
22805	Canes Venatici.	7	59 18,10	3,073	50 15 4,8	20,059	58
22806	Virgo	8½	59 24,74	3,070	77 40 27,6	20,059	225
22807	Virgo	6½	59 26,43	3,069	86 58 42,1	20,059	231
22808	Canes Venatici.	8	59 30,07	3,072	55 47 56,4	20,059	59
22809	Virgo	9	59 32,39	3,070	76 51 33,0	20,059	149
22810	Ursa Major ..	7	59 33,38	3,072	48 37 50,4	20,059	9
22811*	Virgo	7	59 36,60	3,069	94 6 43,7	20,059	151
22812	Coma	9	59 39,99	3,071	59 57 28,0	20,059	564
22813	Coma	9	59 43,86	3,071	58 29 16,1	20,059	63
22814	Coma	8	59 47,96	3,070	66 14 42,0	20,059	67
22815	Ursa Major ..	8½	59 48,19	3,071	46 34 37,3	20,059	7
22816	Corvus	6	59 50,66	3,070	106 25 15,3	20,059	232
22817	Corvus #	4	59 51,38	3,069	111 30 23,3	20,059	565
22818	Virgo	6	59 51,64	3,070	83 4 47,7	20,059	226
22819	Corvus #	4	59 51,66	3,069	111 30 21,8	20,059	285
22820	Corvus #	4	59 51,67	3,069	111 30 7,6	20,059	332
22821*	Corvus #	4	59 51,85	3,069	111 30 27,0	20,059	234
22822	Corvus #	4	59 51,93	3,069	111 30 22,0	20,059	286
22823	Corvus #	3½	59 52,04	3,070	111 30 20,0	20,059	233
22824*	Corvus #	4	59 52,06	3,069	111 30 23,7	20,059	234
22825	Coma	8	59 54,62	3,070	64 37 38,3	20,059	65
22826	Coma	7½	59 54,74	3,070	72 27 29,4	20,059	147
22827	Coma	9½	11 59 57,17	3,070	62 59 17,2	20,059	64
22828	Coma	8	12 0 1,12	3,069	74 21 38,4	20,059	223
22829	Coma	8½	0 4,74	3,070	72 30 33,5	20,059	147
22830	Virgo	7½	0 5,63	3,070	83 53 27,6	20,059	230
22831	Crater	8½	0 9,14	3,070	103 3 58,2	20,059	329
22832	Coma	9	0 11,02	3,069	59 5 31,6	20,059	63
22833	Virgo	7	0 12,04	3,070	96 39 42,2	20,059	152
22834	Corvus	8	0 13,23	3,070	106 5 43,6	20,059	232
22835	Canes Venatici.	8½	0 14,56	3,069	55 44 34,4	20,059	59
22836	Coma	7½	0 17,50	3,069	59 49 2,8	20,059	62
22837	Coma	7½	0 17,82	3,069	59 49 4,8	20,059	564
22838	Coma	6	0 19,27	3,069	72 4 32,9	20,059	147
22839	Virgo	8½	0 26,15	3,070	98 17 17,9	20,059	153
22840	Crater	9	12 0 31,83	+3,070	103 49 14,2	+20,059	332

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22841	Virgo	7½	12	0	33.19	+3,070	98° 16' 49.9	+20,059	153
22842	Coma	6		0	34.95	3,068	61 36 14.4	20,059	62
22843	Coma	6½		0	34.97	3,068	61 36 12.6	20,059	564
22844	Coma	6		0	35.22	3,068	61 36 15.0	20,059	64
22845	Draco	9		0	35.76	3,062	23 13 22.8	20,059	385
22846	Ursa Major ..	6½		0	39.17	3,066	48 59 5.7	20,059	9
22847	Canes Venatici.	8		0	44.51	3,067	55 52 39.5	20,059	59
22848	Coma	8		0	44.61	3,068	66 1 14.8	20,059	67
22849	Coma	8		0	47.54	3,068	74 27 43.5	20,059	223
22850	Corvus	6		0	47.55	3,072	112 29 15.7	20,059	234
22851	Virgo	7½		0	49.22	3,069	80 10 12.3	20,059	224
22852	Coma	7½		0	50.77	3,068	70 15 38.2	20,059	228
22853	Virgo	8		□	52.99	3,070	95 26 12.2	20,059	151
22854	Coma	8½		0	53.87	3,067	64 33 27.2	20,059	65
22855	Virgo	8½		0	55.25	3,068	76 24 49.4	20,059	149
22856	Crater	8		0	57.73	3,071	100 58 55.8	20,059	326
22857	Canes Venatici.	7	1	1	1.32	3,065	49 45 26.4	20,059	58
22858	Virgo	8½	1	1	1.91	3,070	90 53 59.7	20,059	228
22859	Virgo	9	1	2	2.62	3,070	96 46 27.6	20,059	152
22860	Virgo	8½	1	5	4.2	3,069	80 17 10.5	20,059	224
22861	Virgo	8	1	6	8.0	3,070	94 48 24.5	20,059	151
22862	Virgo	8	1	8	2.1	3,070	92 39 39.1	20,059	150
22863	Corvus	7	1	8	5.7	3,072	105 40 32.3	20,059	232
22864	Coma	7½	1	10	0.1	3,067	66 17 33.1	20,059	67
22865	Virgo	7½	1	11	3.3	3,069	88 41 32.4	20,059	231
22866	Canes Venatici.	7½	1	14	6.9	3,065	56 54 12.5	20,059	59
22867	Canes Venatici.	7½	1	15	2.8	3,065	56 54 13.6	20,059	63
22868	Virgo	9	1	18	1.0	3,069	81 30 54.2	20,059	227
22869	Virgo	9	1	18	8.2	3,069	86 16 39.1	20,059	230
22870	Canes Venatici.	8½	1	20	6.3	3,063	50 7 0.7	20,059	58
22871	Canes Venatici.	7	1	22	1.9	3,064	54 37 16.7	20,059	328
22872	Ursa Major ..	9	1	24	9.7	3,058	35 27 37.9	20,059	354
22873	Canes Venatici.	9	1	25	5.7	3,063	52 47 50.6	20,059	57
22874	Ursa Major ..	9	1	27	6.1	3,058	35 27 30.9	20,059	354
22875	Corvus	7½	1	33	1.1	3,073	108 48 54.1	20,059	233
22876	Coma	6	1	41	2.3	3,065	63 0 49.2	20,059	64
22877	Virgo	8	1	45	2.0	3,067	75 53 12.6	20,059	149
22878	Virgo	8	1	46	3.2	3,067	77 35 46.3	20,059	330
22879	Virgo	8	1	46	5.0	3,068	79 34 38.4	20,059	224
22880	Coma	7	12	1	49.71	+3,064	60 20 45.2	+20,059	62

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			h	m	s		°	'	"		
22881	Coma.....	7½	12	1	49.76	+3,064	60	20	48.3	+20,059	564
22882	Corvus	7½		1	51.30	3,073	108	45	36.7	20,059	233
22883	Virgo	9		1	53.92	3,069	87	42	55.5	20,059	231
22884	Coma.....	5½		1	57.91	3,065	68	20	37.0	20,059	68
22885	Ursa Major ..	9		1	58.03	3,057	42	22	9.9	20,059	385
22886	Virgo	9		1	59.59	3,071	95	53	18.1	20,059	152
22887	Virgo	7½		2	4.48	3,068	83	0	39.6	20,059	227
22888	Corvus	8½		2	6.11	3,073	106	5	52.6	20,059	232
22889	Virgo	7½		2	8.73	3,072	100	32	44.2	20,059	326
22890	Virgo	8		2	9.48	3,068	82	49	11.3	20,059	227
22891	Draco.....	8		2	10.34	3,042	24	25	12.3	20,059	355
22892	Coma.....	8½		2	13.16	3,065	69	4	46.8	20,059	68
22893	Coma.....	8		2	14.83	3,063	61	30	21.9	20,059	64
22894	Canes Venatici.	8½		2	25.46	3,059	53	7	24.9	20,059	57
22895	Canes Venatici.	8		2	26.63	3,059	53	7	24.2	20,059	328
22896	Virgo	7		2	27.59	3,070	91	21	19.7	20,059	228
22897	Virgo	8		2	33.80	3,066	77	46	29.6	20,058	330
22898	Corvus	8½		2	40.21	3,074	105	56	18.8	20,058	232
22899	Virgo	9		2	40.58	3,071	95	41	26.5	20,058	152
22900	Crater	8		2	40.89	3,073	101	40	40.5	20,058	329
22901	Virgo .....	.		2	41.66	3,067	78	49	39.2	20,058	225
22902	Canes Venatici.	7½		2	43.12	3,059	57	5	18.6	20,058	59
22903	Canes Venatici.	7½		2	43.45	3,059	57	5	17.8	20,058	63
22904	Draco.....	9		2	48.21	3,031	23	1	9.7	20,058	385
22905	Virgo	9		2	51.72	3,069	■	38	47.3	20,058	231
22906	Coma.....	8		2	53.78	3,060	60	15	3.1	20,058	564
22907	Coma.....	8		2	53.95	3,060	60	15	4.1	20,058	62
22908	Virgo	7		3	0.30	3,066	78	1	59.0	20,058	330
22909	Ursa Major ..	8½		3	1.05	3,053	45	59	34.8	20,058	7
22910	Virgo	7		3	1.59	3,066	77	22	16.0	20,058	330
22911	Coma.....	7½		3	9.04	3,058	58	36	14.8	20,058	69
22912	Coma.....	7		3	9.98	3,058	58	36	14.2	20,058	63
22913	Virgo	6½		3	14.63	3,066	78	37	27.9	20,058	225
22914	Virgo	7½		3	16.60	3,066	78	49	42.2	20,058	225
22915	Coma.....	8		3	18.93	3,063	71	42	14.4	20,057	147
22916	Corvus	9		3	19.55	3,077	110	31	17.4	20,057	234
22917	Virgo	9		3	20.90	3,072	97	11	29.7	20,057	152
22918	Virgo	8		3	22.44	3,073	98	23	50.2	20,057	153
22919	Virgo	8½		3	22.73	3,070	90	7	19.0	20,057	228
22920	Virgo	8½	12	3	25.50	+3,068	84	54	53.4	+20,057	230

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			h	m	s		°	'	"		
22921	Coma.....	7½	12	3	26,49	+3,057	58	19	21,9	+20,057	63
22922	Coma.....	8		3	26,63	3,057	58	19	21,6	20,057	69
22923	Virgo.....	9½		3	32,63	3,072	97	28	28,3	20,057	152
22924	Coma.....	8½		3	33,58	3,060	65	59	47,8	20,057	67
22925	Virgo.....	7½		3	37,68	3,066	79	54	41,9	20,057	224
22926	Canes Venatici.	9		3	38,82	3,053	52	8	54,9	20,057	57
22927	Virgo.....	6½		3	43,05	3,068	86	37	29,8	20,057	230
22928	Coma.....	9		3	44,18	3,057	60	35	29,4	20,057	62
22929	Virgo.....	9		3	44,96	3,066	79	47	40,7	20,057	224
22930	Virgo.....	9		3	46,69	3,073	98	19	12,1	20,057	153
22931	Ursa Major ..	.		3	51,82	3,050	48	53	58,6	20,057	9
22932	Virgo.....	8		3	52,43	3,064	76	44	18,8	20,057	149
22933	Ursa Major ..	8½		3	56,50	3,048	46	43	6,4	20,057	7
22934	Canes Venatici.	7½		4	0,87	3,054	56	5	36,6	20,056	59
22935	Virgo.....	6		4	1,34	3,072	94	36	34,1	20,056	151
22936	Coma.....	8½		4	2,27	3,055	58	3	44,4	20,056	69
22937	Coma.....	7½		4	2,99	3,055	58	3	34,7	20,056	63
22938	Virgo.....	9		4	8,36	3,064	77	3	37,3	20,056	149
22939	Coma.....	7½		4	8,77	3,057	62	22	49,7	20,056	64
22940	Crater	9		4	8,86	3,075	101	54	7,4	20,056	329
22941	Virgo.....	7½		4	13,90	3,065	80	5	46,2	20,056	224
22942	Draco.....	.		4	16,36	3,010	22	46	44,4	20,056	385
22943	Draco.....	7½		4	17,19	3,010	22	48	37,7	20,056	355
22944	Coma.....	7		4	17,99	3,058	65	13	5,9	20,056	65
22945	Virgo.....	8		4	18,81	3,070	90	12	45,2	20,056	228
22946	Ursa Major ..	8½		4	19,71	3,041	41	50	14,3	20,056	385
22947	Corvus	7		4	27,01	3,081	113	39	42,2	20,056	565
22948	Canes Venatici.	7½		4	32,26	3,047	49	32	38,1	20,055	58
22949	Ursa Major ..	9		4	35,69	3,040	41	52	17,3	20,055	385
22950	Corvus	7		4	40,84	3,079	109	43	56,4	20,055	234
22951	Canes Venatici.	7		4	43,52	3,031	35	27	6,7	20,055	354
22952	Coma.....	9		4	43,76	3,054	60	15	24,1	20,055	62
22953	Coma.....	8½		4	43,88	3,054	60	15	24,0	20,055	564
22954	Virgo.....	7½		4	53,25	3,074	99	8	34,9	20,055	326
22955	Virgo.....	9		4	53,51	3,073	96	8	26,9	20,055	152
22956	Virgo.....	9		4	54,01	3,073	96	8	29,9	20,055	152
22957	Coma.....	7½		4	54,42	3,052	58	44	44,3	20,055	63
22958	Virgo.....	7½		5	1,95	3,067	84	21	43,4	20,055	230
22959	Coma.....	7		5	2,60	3,060	71	58	45,7	20,054	147
22960	Canes Venatici.	7½	12	5	3,86	+3,050	56	2	54,6	+20,054	59

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			h	m	s	s	°	'	"	"	
22961	Corvus	7	12	5	12,90	+3,077	102	57	31,6	+20,054	329
22962	Corvus	6½		5	13,68	3,077	102	57	31,6	20,054	157
22963	Ursa Major ..	8		5	13,81	3,035	41	46	11,1	20,054	385
22964	Canes Venatici.	8		5	15,48	3,044	50	9	4,7	20,054	58
22965	Canes Venatici.	8		5	15,70	3,049	56	33	12,0	20,054	59
22966	Virgo	8½		5	15,87	3,065	80	38	37,0	20,054	224
22967	Corvus	7½		5	18,02	3,081	109	25	4,3	20,054	234
22968	Virgo	7½		5	21,08	3,075	99	9	26,7	20,054	153
22969	Virgo	9		5	24,08	3,075	99	8	29,7	20,054	153
22970	Canes Venatici.	7½		5	25,51	3,043	50	13	41,7	20,054	58
22971	Corvus	7		5	27,15	3,083	112	14	22,8	20,054	234
22972	Virgo	8		5	30,65	3,063	78	1	14,8	20,054	330
22973	Virgo	9		5	30,68	3,063	78	1	11,0	20,054	225
22974	Corvus γ	3		5	32,28	3,079	106	25	44,5	20,054	232
22975	Corvus γ	3		5	32,34	3,079	106	25	51,2	20,054	233
22976	Corvus	7		5	32,42	3,077	102	42	16,6	20,053	329
22977	Corvus	6½		5	32,86	3,077	102	42	14,5	20,053	157
22978	Virgo	7½		5	35,21	3,065	82	39	44,0	20,053	227
22979	Canes Venatici.	9		5	35,82	3,048	56	5	41,6	20,053	59
22980	Virgo	8½		5	36,15	3,064	79	51	3,7	20,053	224
22981	Coma	9½		5	42,90	3,050	60	5	12,8	20,053	564
22982	Coma	9		5	46,97	3,060	73	50	48,5	20,053	223
22983	Virgo	9		5	48,93	3,073	96	21	8,5	20,053	152
22984	Coma	5		5	50,15	3,060	73	59	9,7	20,053	223
22985	Coma	6		5	50,93	3,060	73	59	9,2	20,053	147
22986	Virgo	8½		5	53,21	3,071	91	53	46,8	20,053	154
22987	Virgo	8		5	54,59	3,067	85	19	36,4	20,053	230
22988	Virgo	8½		5	56,78	3,076	100	54	21,4	20,053	326
22989	Virgo	8½		5	59,58	3,066	84	10	32,0	20,053	230
22990	Coma	8		6	0,64	3,052	63	7	32,3	20,053	64
22991	Virgo	7½		6	1,50	3,071	92	7	6,4	20,053	154
22992	Canes Venatici.	6		6	4,03	3,038	48	13	28,0	20,053	9
22993	Virgo	8		6	5,31	3,074	96	25	12,7	20,053	152
22994	Coma	9½		6	9,16	3,049	60	2	44,8	20,052	564
22995	Coma	5		6	12,10	3,053	64	56	30,7	20,052	67
22996	Coma	4½		6	12,47	3,053	64	56	30,5	20,052	65
22997	Virgo	8		6	15,16	3,064	81	32	0,1	20,052	227
22998	Canes Venatici.	5½		6	25,39	3,044	55	49	12,3	20,052	59
22999	Virgo	8½		6	29,44	3,071	91	37	33,2	20,052	154
23000	Ursa Major ..	8½	12	6	29,82	+3,032	45	13	1,1	+20,052	7

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			h	m	s	s			
23001	Virgo	9½	12	6	37,66	+3,060	76° 20' 48,2	+20,052	149
23002	Canes Venatici.	7½		6	39,86	3,036	49 17 46,8	20,051	58
23003	Coma	9		6	40,05	3,046	58 49 9,3	20,051	63
23004	Corvus	9		6	41,41	3,088	114 51 55,4	20,051	565
23005	Virgo	8		6	44,49	3,069	88 32 2,1	20,051	231
23006	Corvus	6		6	45,95	3,081	105 34 53,9	20,051	232
23007	Coma	8		6	49,47	3,048	61 8 47,4	20,051	64
23008	Virgo	8½		6	54,10	3,068	87 10 0,7	20,051	230
23009	Coma	8½		6	55,58	3,047	60 50 14,6	20,050	62
23010	Ursa Major ..	9½		7	1,52	2,983	25 15 40,0	20,050	355
23011	Coma	8		7	1,81	3,050	64 15 36,8	20,050	65
23012	Virgo	9		7	3,51	3,078	101 9 44,4	20,050	157
23013	Coma	8		7	13,62	3,045	60 9 32,8	20,049	564
23014	Virgo	8		7	13,83	3,064	82 17 2,3	20,049	227
23015	Virgo	9½		7	20,20	3,075	97 16 38,0	20,049	153
23016	Canes Venatici.	9		7	21,57	3,034	50 14 8,6	20,049	58
23017	Coma	6		7	24,54	3,045	59 57 7,3	20,049	63
23018	Coma	5½		7	24,97	3,045	59 57 7,9	20,049	69
23019	Coma	6		7	25,03	3,044	59 57 10,8	20,049	62
23020	Coma	6		7	25,32	3,045	59 57 8,6	20,049	564
23021	Coma	8		7	26,62	3,058	74 26 28,3	20,049	223
23022	Ursa Major ..	8		7	28,26	3,025	44 52 12,4	20,049	385
23023	Canes Venatici.	9		7	29,21	3,037	53 21 15,0	20,049	328
23024	Corvus	9		7	31,38	3,085	109 45 6,8	20,049	234
23025	Coma	6		7	32,92	3,057	73 44 25,4	20,048	223
23026	Canes Venatici	7		7	34,00	3,008	35 41 38,8	20,048	354
23027	Corvus	7½		7	34,78	3,088	112 54 3,7	20,048	234
23028	Corvus	8		7	35,65	3,082	105 50 18,2	20,048	232
23029	Virgo	8		7	38,96	3,074	95 18 58,0	20,048	151
23030	Coma	8		7	40,03	3,048	63 49 56,4	20,048	65
23031	Coma	8		7	42,23	3,057	73 52 5,6	20,048	223
23032	Coma	7½		7	43,52	3,047	63 49 37,4	20,048	65
23033	Virgo	7		7	44,24	3,068	87 18 42,0	20,048	230
23034	Virgo	8½		7	49,30	3,070	90 34 42,0	20,048	228
23035	Virgo	8		7	53,99	3,072	92 50 32,7	20,047	150
23036	Canes Venatici.	8½		7	54,25	3,039	56 9 18,7	20,047	59
23037	Virgo	8		7	54,36	3,072	92 50 34,0	20,047	154
23038	Virgo	8½		7	54,69	3,072	92 50 13,7	20,047	150
23039	Virgo	7		7	54,86	3,072	92 50 14,0	20,047	154
23040	Coma	7½	12	7	55,06	+3,053	70 27 8,5	+20,047	228

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			h	m	s	s	°	'	"	"	
23041	Corvus	7½	12	7	55.48	+3,087	110	35	55.0	+20,047	234
23042	Corvus	8		7	58.31	3,082	104	28	50.4	20,047	332
23043	Corvus	9		8	3.85	3,082	104	40	31.2	20,047	332
23044	Coma.....	7½		8	5.39	3,044	61	35	14.8	20,047	64
23045	Virgo	7½		8	5.75	3,066	85	47	16.2	20,047	230
23046	Corvus	8		8	6.58	3,087	109	41	48.3	20,047	234
23047	Coma.....	9		8	15.00	3,052	69	44	27.7	20,047	228
23048	Virgo	7½		8	15.93	3,062	80	49	20.3	20,047	224
23049	Corvus	7		8	17.57	3,081	103	17	40.0	20,047	329
23050	Virgo	8½		8	19.54	3,071	91	54	33.9	20,046	154
23051*	Coma.....	6		8	25.12	3,040	58	37	56.8	20,046	69
23052	Virgo	6		8	25.17	3,069	89	40	25.0	20,046	228
23053	Virgo	6		8	25.21	3,069	89	40	21.4	20,046	231
23054	Canes Venatici.	6½		8	25.25	3,037	56	8	19.6	20,046	59
23055	Virgo	6		8	25.74	3,069	89	40	25.1	20,046	151
23056	Virgo	9		8	31.85	3,058	77	5	22.2	20,046	149
23057	Coma.....	8		8	35.12	3,044	62	42	2.9	20,046	64
23058	Canes Venatici.	8½		8	35.42	3,024	47	58	16.8	20,046	9
23059	Coma	8		8	38.84	3,051	69	43	14.7	20,045	228
23060	Corvus	7½		8	41.85	3,081	102	25	46.5	20,045	329
23061	Corvus	7½		8	42.30	3,081	102	25	43.6	20,045	157
23062	Coma	9		8	43.12	3,050	68	54	3.6	20,045	68
23063	Coma	8		8	50.70	3,046	65	19	6.1	20,045	67
23064	Virgo	8½		8	55.77	3,059	78	17	47.0	20,044	330
23065	Coma	6½		8	56.03	3,043	62	52	42.0	20,044	64
23066	Coma	9		8	57.58	3,040	60	49	55.3	20,044	564
23067	Coma	8½		8	57.70	3,040	60	49	54.1	20,044	63
23068	Virgo	8½		8	59.10	3,072	92	12	19.7	20,044	154
23069	Coma	7½		8	59.41	3,053	72	19	50.0	20,044	147
23070	Corvus	7½		9	0.08	3,084	105	9	45.7	20,044	232
23071*	Corvus	7		9	0.64	3,084	105	10	10.6	20,044	332
23072	Canes Venatici.	9		9	2.23	3,034	56	7	57.5	20,044	59
23073	Virgo	6½		9	3.10	3,077	97	48	5.5	20,044	153
23074	Coma	6½		9	10.04	3,055	74	20	37.1	20,043	223
23075	Coma	6½		9	11.43	3,046	65	51	8.6	20,043	67
23076	Corvus	9		9	14.80	3,081	102	20	17.2	20,043	157
23077	Corvus	9		9	17.38	3,087	108	8	40.0	20,043	233
23078	Draco.....	8		9	20.56	2,944	23	31	11.2	20,043	355
23079	Corvus	8½		9	22.50	3,088	108	5	19.7	20,043	233
23080	Coma	7	12	9	26.92	+3,039	60	43	24.2	+20,042	565

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			h	m	s	"	° ' "	"	
23081	Coma	6	12	9	27,21	+3,039	60 43 27,0	+20,042	63
23082	Coma	9		9	27,34	3,036	58 43 11,8	20,042	69
23083	Virgo	8½		9	28,72	3,059	78 51 43,9	20,042	330
23084	Canes Venatici.	8		9	32,91	3,019	47 56 44,7	20,042	9
23085	Corvus	9		9	35,21	3,088	108 9 45,1	20,042	233
23086	Corvus	8		9	38,35	3,084	103 57 4,8	20,042	332
23087	Coma	8		9	39,69	3,051	72 4 17,7	20,041	147
23088	Virgo η	3½		9	40,60	3,069	89 33 14,8	20,041	150
23089	Virgo η	3		9	40,74	3,069	89 33 12,1	20,041	231
23090	Virgo η	3		9	40,97	3,069	89 33 15,7	20,041	228
23091	Virgo	8		9	41,05	3,057	77 17 19,5	20,041	149
23092	Virgo η	3		9	41,13	3,069	89 33 11,9	20,041	151
23093	Corvus	9		9	42,08	3,095	114 27 6,0	20,041	565
23094	Virgo	8		9	43,27	3,058	78 24 7,2	20,041	330
23095	Virgo	7½		9	43,85	3,063	83 13 5,9	20,041	227
23096	Coma	6		9	45,66	3,037	60 25 22,7	20,041	63
23097	Coma	7		9	45,98	3,037	60 25 20,8	20,041	565
23098	Virgo	8½		9	48,64	3,077	97 0 48,4	20,041	152
23099	Corvus	6		9	48,77	3,092	111 3 34,1	20,041	329
23100	Virgo	9		9	50,91	3,076	95 57 53,4	20,041	152
23101	Corvus	6		9	51,07	3,092	111 3 47,2	20,041	234
23102	Corvus	6		9	51,15	3,092	111 3 41,6	20,041	234
23103	Corvus	6		9	51,24	3,092	111 3 35,5	20,041	232
23104	Coma	8		9	55,44	3,034	58 24 7,6	20,041	69
23105	Canes Venatici.	8½		9	55,55	3,003	41 5 1,2	20,041	385
23106	Virgo	7		9	55,56	3,054	75 1 53,4	20,041	149
23107	Coma	8		9	57,08	3,052	73 10 8,6	20,041	223
23108	Virgo	7		9	57,78	3,058	78 59 47,1	20,041	330
23109	Canes Venatici.	8	10		1,01	3,003	41 21 52,7	20,041	385
23110	Ursa Major ..	7½	10		1,60	3,012	45 16 48,1	20,040	7
23111	Corvus	8½	10		4,16	3,084	103 43 13,7	20,040	332
23112	Corvus ζ	5	10		11,77	3,093	111 5 54,3	20,040	329
23113	Virgo c	4	10		11,83	3,065	85 34 19,8	20,040	230
23114	Corvus ζ	5	10		13,64	3,093	111 6 2,8	20,040	232
23115	Corvus ζ	5½	10		13,80	3,093	111 6 12,0	20,040	234
23116	Corvus ζ	5	10		13,87	3,093	111 6 14,6	20,040	234
23117	Canes Venatici.	6½	10		14,07	3,021	50 59 9,2	20,040	58
23118	Coma	6½	10		14,51	3,039	62 53 11,1	20,040	64
23119	Canes Venatici.	6	10		14,97	3,021	50 59 10,5	20,040	57
23120	Coma	6	12	10	15,27	+3,038	62 15 41,4	+20,040	64

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23121	Corvus	9	12 10 21,10	+3,091	109° 6' 54,2	+20,039	233
23122	Virgo	9	10 25,12	3,073	92 52 42,8	20,039	150
23123	Virgo	8	10 25,32	3,073	92 52 45,2	20,039	154
23124	Coma	9	10 29,67	3,046	68 49 20,5	20,038	68
23125	Virgo	8	10 32,68	3,082	101 44 36,9	20,038	157
23126	Corvus	8	10 35,64	3,085	104 40 56,3	20,038	332
23127	Coma	4½	10 35,88	3,048	71 6 0,3	20,038	228
23128	Coma	4½	10 35,99	3,048	71 6 3,5	20,038	147
23129	Corvus	5½	10 37,08	3,083	102 27 14,7	20,038	157
23130	Coma	6	10 39,83	3,051	73 20 49,8	20,038	223
23131	Virgo	8	10 50,24	3,081	100 21 47,4	20,037	326
23132	Coma	6½	10 50,79	3,039	63 53 26,5	20,037	65
23133	Virgo	7½	10 56,42	3,079	98 26 18,5	20,037	153
23134	Coma	8	11 0,04	3,037	63 9 53,3	20,036	64
23135	Virgo	8	11 1,00	3,064	85 10 43,4	20,036	230
23136	Coma	6½	11 1,13	3,038	63 51 51,5	20,036	65
23137	Virgo	8	11 4,57	3,083	101 40 13,5	20,036	157
23138	Canes Venatici.	7	11 5,02	3,017	50 51 55,0	20,036	58
23139	Canes Venatici.	7	11 6,12	3,017	50 51 55,4	20,036	57
23140	Coma	9	11 7,19	3,028	57 35 3,9	20,036	69
23141	Canes Venatici.	7	11 10,06	3,023	54 11 56,6	20,036	328
23142	Canes Venatici.	7½	11 13,50	3,009	47 24 12,7	20,036	7
23143	Virgo	8½	11 13,74	3,065	86 9 28,9	20,035	230
23144	Canes Venatici.	9	11 15,99	3,027	56 47 35,2	20,035	59
23145	Corvus	8	11 17,24	3,084	102 3 8,1	20,035	157
23146	Canes Venatici.	8½	11 18,52	3,026	56 42 43,1	20,035	59
23147	Virgo	8½	11 18,70	3,079	98 17 10,1	20,035	153
23148	Virgo	10	11 25,93	3,078	96 48 10,8	20,035	152
23149	Virgo	9	11 35,29	3,074	93 16 23,7	20,034	150
23150	Virgo	7½	11 35,71	3,073	93 16 20,7	20,034	151
23151	Corvus	8½	11 37,49	3,101	114 48 13,9	20,034	565
23152	Coma	7	11 39,06	3,041	67 0 57,8	20,034	67
23153	Canes Venatici.	8½	11 53,05	3,010	49 10 42,7	20,033	9
23154	Coma	7½	11 54,17	3,047	72 8 30,8	20,032	147
23155	Corvus	6	11 58,33	3,088	104 26 32,1	20,032	332
23156	Virgo	8	12 1,78	3,062	84 1 59,8	20,032	230
23157	Corvus	8	12 3,85	3,100	113 7 28,9	20,032	235
23158	Virgo	8	12 4,04	3,056	79 2 33,0	20,032	330
23159	Ursa Major ..	6½	12 4,43	2,991	41 42 15,7	20,032	385
23160	Coma	5½	12 12 6,43	+3,035	64 6 53,7	+20,031	65

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23161	Canes Venatici.	.	12 12 6,55	+3,023	56 31 19,8	+20,031	59
23162	Virgo	9	12 6,87	3,072	91 39 52,4	20,031	154
23163	Virgo	8½	12 11,27	3,056	78 56 43,9	20,031	330
23164	Virgo	8	12 14,47	3,083	100 26 46,7	20,031	326
23165	Coma	8	12 18,74	3,038	66 25 27,2	20,030	67
23166	Canes Venatici.	.	12 20,62	3,022	56 15 18,5	20,030	59
23167	Virgo	6	12 21,69	3,062	83 34 51,0	20,030	230
23168	Virgo	8½	12 24,77	3,083	100 31 50,0	20,030	326
23169	Coma	5	12 26,06	3,033	63 2 31,2	20,030	64
23170	Corvus	9½	12 26,73	3,085	102 0 10,9	20,030	157
23171	Corvus	8½	12 26,75	3,103	114 35 25,5	20,030	565
23172	Virgo	8½	12 28,67	3,061	82 58 21,4	20,030	227
23173	Coma	8	12 35,13	3,041	68 44 22,4	20,030	68
23174	Corvus	7½	12 35,81	3,087	103 33 8,9	20,029	332
23175	Corvus	7½	12 36,97	3,102	113 45 42,6	20,029	235
23176	Coma	8	12 40,08	3,023	57 38 24,9	20,029	69
23177	Virgo	8	12 40,27	3,076	94 40 12,4	20,029	151
23178	Virgo	9	12 43,04	3,060	82 58 3,4	20,029	227
23179	Virgo	9	12 45,71	3,075	94 28 28,9	20,028	151
23180	Coma	8½	12 51,11	3,046	72 38 40,3	20,028	147
23181	Virgo	7	12 52,60	3,078	96 11 19,1	20,028	152
23182	Canes Venatici.	8	12 53,82	3,006	49 36 54,9	20,028	58
23183	Corvus	6	12 57,60	3,103	113 43 44,3	20,028	235
23184	Virgo	6½	12 59,02	3,075	93 51 43,2	20,027	151
23185	Virgo	8	12 59,17	3,081	98 39 19,3	20,027	153
23186	Virgo	6	13 0,68	3,084	100 42 2,7	20,027	326
23187	Virgo	8	13 7,22	3,050	75 15 58,6	20,027	149
23188	Virgo	6½	13 11,37	3,076	95 0 40,3	20,026	151
23189	Virgo	7	13 11,92	3,076	95 0 41,8	20,026	152
23190	Coma	8½	13 13,92	3,040	69 13 33,9	20,026	68
23191	Coma	8	13 14,59	3,040	69 13 43,3	20,026	228
23192	Corvus	9	13 15,67	3,091	105 34 15,9	20,026	232
23193	Corvus	7½	13 16,20	3,096	108 58 28,2	20,026	233
23194	Canes Venatici.	8½	13 18,48	2,995	46 10 1,7	20,026	7
23195	Coma	7½	13 24,73	3,032	64 17 41,8	20,025	65
23196	Virgo	9	13 25,05	3,049	74 57 59,2	20,025	149
23197	Corvus	8	13 31,53	3,095	108 6 56,9	20,024	233
23198	Corvus	8	13 39,56	3,107	114 54 15,0	20,024	565
23199	Virgo	9	13 39,82	3,056	80 32 45,7	20,024	224
23200	Corvus	7½	12 13 41,09	+3,096	108 27 32,0	+20,024	233

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23201	Coma	8	12 13 46.42	+3,046	73 16 17.5	+20,023	223
23202	Coma	8½	13 49.62	3,044	72 27 31.1	20,023	147
23203	Canes Venatici.	8	13 52.18	2,997	48 10 12.8	20,023	9
23204	Corvus	8	13 54.03	3,107	114 26 43.7	20,023	565
23205	Canes Venatici.	5½	13 54.18	2,992	46 20 47.8	20,023	7
23206	Virgo	8	13 59.55	3,060	82 54 56.3	20,022	227
23207	Coma	7	14 0.37	3,028	63 2 14.1	20,022	64
23208	Virgo	10	14 3.65	3,083	99 22 1.9	20,022	155
23209	Canes Venatici.	5½	14 14.95	2,961	37 19 43.8	20,021	354
23210	Coma	9	14 15.11	3,044	72 32 47.2	20,021	147
23211	Coma	6	14 15.45	3,027	62 47 25.9	20,021	64
23212	Virgo	8	14 19.26	3,062	84 33 24.6	20,020	230
23213	Virgo	9	14 20.07	3,051	77 43 21.0	20,020	330
23214	Coma	6	14 23.09	3,027	63 18 23.8	20,020	65
23215	Coma	7	14 23.27	3,027	63 18 23.4	20,020	64
23216	Coma	9	14 26.61	3,033	66 43 6.4	20,020	67
23217	Virgo	7½	14 27.13	3,061	83 50 19.3	20,020	230
23218	Virgo	8	14 27.40	3,066	87 30 15.0	20,020	231
23219	Virgo	9	14 29.13	3,076	94 32 12.0	20,019	151
23220	Canes Venatici.	8	14 31.31	2,987	45 48 8.3	20,019	7
23221	Coma	8½	14 33.04	3,016	57 46 41.9	20,019	69
23222	Canes Venatici.	7½	14 44.32	2,991	47 33 25.2	20,018	9
23223	Virgo	8	14 44.94	3,074	93 6 12.7	20,018	154
23224	Coma	8½	14 47.08	3,043	72 41 48.4	20,018	147
23225	Coma	7½	14 49.50	3,015	57 51 21.0	20,018	69
23226	Corvus	6½	14 51.15	3,110	114 52 48.5	20,017	565
23227	Canes Venatici.	8	14 52.32	3,013	57 3 56.2	20,017	59
23228	Virgo	5½	14 53.27	3,086	100 29 51.9	20,017	326
23229	Virgo	7	14 53.88	3,086	100 29 56.9	20,017	155
23230	Ursa Major ..	9	14 54.16	2,884	25 5 43.3	20,017	355
23231	Canes Venatici.	8	15 0.30	2,998	50 34 28.6	20,017	58
23232	Virgo	8½	15 5.73	3,060	83 53 59.4	20,016	230
23233	Canes Venatici.	7½	15 6.22	2,985	46 2 9.5	20,016	7
23234	Corvus	8	15 6.86	3,099	108 14 50.8	20,016	233
23235	Virgo	9	15 9.13	3,089	102 13 39.8	20,016	157
23236	Coma	5	15 10.24	3,028	64 57 41.4	20,016	65
23237	Virgo	9	15 11.82	3,049	76 58 43.9	20,015	149
23238	Canes Venatici.	8	15 11.82	3,000	51 40 11.0	20,015	57
23239	Corvus	8½	15 16.92	3,109	113 49 28.9	20,015	565
23240	Virgo	8½	12 15 18.25	+3,060	83 59 29.6	+20,015	230

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23241	Coma	8½	12	15	20,08	+3,042	72	43	5,4	+20,015	147
23242	Virgo	7½		15	22,05	3,052	79	8	15,0	20,014	330
23243	Canes Venatici.	8½		15	25,32	3,011	57	0	45,2	20,014	59
23244	Virgo	8		15	27,49	3,068	89	10	22,3	20,014	231
23245	Coma	8½		15	27,68	3,037	70	1	18,3	20,014	228
23246	Canes Venatici.	8		15	31,43	2,995	50	32	31,6	20,013	58
23247	Canes Venatici.	8		15	32,89	2,998	51	29	7,8	20,013	57
23248	Virgo	8		15	33,90	3,076	93	45	1,9	20,013	151
23249	Corvus	8		15	37,23	3,097	106	49	13,7	20,013	232
23250	Corvus	7		15	40,76	3,092	103	50	9,3	20,012	332
23251	Ursa Major ..	8		15	42,22	2,874	25	5	11,3	20,012	355
23252	Virgo	6		15	48,09	3,065	86	50	51,1	20,012	230
23253	Coma	8		15	48,45	3,028	65	39	36,2	20,012	67
23254	Virgo	8		15	52,04	3,075	93	22	11,2	20,012	154
23255	Coma	6½		15	55,81	3,041	73	1	37,0	20,011	223
23256	Coma	7		15	55,96	3,041	73	1	33,7	20,011	147
23257	Canes Venatici.	8		15	56,95	2,974	44	9	23,2	20,011	385
23258	Coma	8		15	57,44	3,023	63	12	29,3	20,011	64
23259	Virgo	8		16	1,10	3,080	96	13	14,2	20,011	152
23260	Coma	7½		16	6,01	3,027	65	32	26,2	20,010	67
23261	Canes Venatici.	9		16	8,86	2,978	45	46	18,1	20,010	7
23262	Corvus	8		16	9,17	3,101	108	12	20,5	20,010	233
23263	Corvus	8½		16	12,47	3,091	102	41	10,6	20,009	157
23264	Corvus	8		16	14,19	3,093	103	52	36,3	20,009	332
23265	Virgo	8		16	22,61	3,055	80	59	45,3	20,008	224
23266	Coma	8		16	23,29	3,043	74	19	4,7	20,008	223
23267	Coma	5½		16	23,48	3,018	61	37	21,7	20,008	565
23268	Coma	9		16	24,29	3,035	70	0	8,3	20,008	228
23269	Canes Venatici.	8		16	29,93	2,994	51	46	41,0	20,007	57
23270	Virgo	7½		16	30,86	3,077	94	28	50,9	20,007	151
23271	Virgo	7		16	32,11	3,068	89	4	26,5	20,007	228
23272	Virgo	7½		16	32,12	3,068	89	4	26,1	20,007	231
23273	Corvus	8½		16	39,66	3,107	111	16	57,2	20,006	235
23274	Virgo	8		16	41,84	3,083	97	43	15,3	20,006	153
23275	Virgo	9		16	43,50	3,074	92	25	12,1	20,006	154
23276	Corvus	7		16	51,89	3,100	107	18	14,8	20,005	233
23277	Corvus	9		16	52,96	3,104	109	19	30,7	20,005	234
23278	Virgo	9		16	55,11	3,073	92	10	39,5	20,005	154
23279	Coma	4½		16	56,19	3,014	60	37	3,7	20,005	63
23280	Coma	4½	12	16	56,76	+3,014	60	37	2,6	+20,005	565

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23281	Coma	5½	12 16 58,14	+3,017	62 3 52,1	+20,005	64
23282	Virgo	8	17 8,83	3,055	81 38 58,0	20,003	227
23283	Canes Venatici.	9	17 9,29	2,983	48 59 42,2	20,003	9
23284	Virgo	8½	17 11,01	3,055	81 44 38,8	20,003	227
23285	Virgo	9	17 13,51	3,055	81 30 39,2	20,003	227
23286	Corvus	7½	17 14,54	3,114	113 37 4,6	20,003	565
23287	Canes Venatici.	7½	17 17,36	2,992	52 30 53,7	20,003	57
23288	Virgo	8	17 18,36	3,053	80 52 35,1	20,002	224
23289	Virgo	9	17 21,05	3,048	77 45 18,0	20,002	330
23290	Corvus	9½	17 21,88	3,109	111 17 29,4	20,002	235
23291	Corvus	7½	17 23,85	3,101	107 7 30,6	20,002	233
23292	Virgo	8	17 27,08	3,046	76 47 25,6	20,001	149
23293	Coma	7½	17 27,32	3,035	71 3 21,6	20,001	228
23294	Corvus	6	17 27,70	3,098	105 31 22,2	20,001	332
23295	Corvus	6	17 27,76	3,098	105 31 21,6	20,001	232
23296	Virgo	7½	17 28,51	3,057	82 44 9,9	20,001	227
23297	Virgo	9	17 29,10	3,045	76 40 7,4	20,001	149
23298	Virgo	9	17 30,35	3,092	102 29 2,8	20,001	157
23299	Virgo	7	17 30,89	3,052	80 16 49,2	20,001	224
23300	Virgo	8	17 31,88	3,072	91 15 53,4	20,001	228
23301	Coma	7½	17 31,92	3,012	60 46 48,7	20,001	63
23302	Coma	7½	17 32,12	3,012	60 46 49,8	20,001	565
23303	Virgo	8½	17 32,26	3,072	91 15 59,4	20,001	154
23304	Coma	9	17 32,85	3,021	64 39 49,0	20,001	65
23305	Corvus	7½	17 33,92	3,102	107 30 5,0	20,000	233
23306	Coma .....	.	17 35,66	3,021	64 13 56,6	20,000	65
23307	Virgo	6	17 36,63	3,076	93 30 23,3	20,000	151
23308	Coma	7	17 36,63	3,017	62 58 38,9	20,000	64
23309	Coma	9½	17 37,00	3,041	74 38 21,1	20,000	223
23310	Virgo	9½	17 39,43	3,076	93 34 4,5	20,000	151
23311	Corvus	8	17 40,23	3,094	103 20 27,2	20,000	329
23312	Virgo	6	17 40,30	3,083	97 33 55,8	20,000	153
23313	Virgo	9	17 41,03	3,047	77 34 5,7	20,000	330
23314	Virgo	8	17 42,12	3,081	96 32 30,1	20,000	152
23315	Canes Venatici.	6½	17 42,40	2,975	47 32 7,1	20,000	9
23316	Canes Venatici.	6	17 42,97	2,975	47 32 6,6	20,000	7
23317	Virgo	9	17 43,40	3,051	79 59 33,8	20,000	224
23318	Canes Venatici.	9	17 53,81	3,000	56 24 46,4	19,998	59
23319	Virgo	8½	17 58,51	3,055	81 47 54,3	19,998	227
23320	Coma	8	12 18 1,17	+3,028	68 32 16,1	+19,998	68

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23321	Virgo	8	12	18	4.00	+3,061	85	11	33.6	+19,997	230
23322	Virgo	8½		18	4.36	3,062	85	37	15.7	19,997	230
23323	Coma	8½		18	4.50	3,039	73	38	19.7	19,997	223
23324	Coma	8½		18	4.52	3,007	59	4	30.9	19,997	69
23325	Corvus	8		18	6.73	3,100	106	11	25.2	19,997	232
23326	Virgo	8		18	6.89	3,045	77	3	49.0	19,997	149
23327	Corvus	7½		18	16.68	3,098	104	53	49.2	19,996	332
23328	Canes Venatici.	8		18	20.81	2,959	44	5	52.9	19,995	385
23329	Canes Venatici.	9		18	21.31	2,959	44	6	7.9	19,995	385
23330	Virgo	8		18	25.54	3,044	76	46	16.6	19,995	149
23331	Canes Venatici.	8		18	30.74	2,992	54	16	2.2	19,994	328
23332	Coma	8		18	33.94	3,005	59	18	2.1	19,994	69
23333	Virgo	8		18	34.92	3,080	95	25	21.9	19,994	152
23334	Coma	6		18	37.92	3,014	62	39	47.6	19,993	64
23335	Virgo	9		18	41.66	3,065	87	44	14.3	19,993	231
23336	Corvus	7½		18	43.18	3,099	105	16	58.1	19,993	332
23337	Corvus	8		18	43.62	3,099	105	17	7.3	19,993	232
23338	Coma	7		18	44.30	3,014	62	59	27.0	19,993	64
23339	Virgo	8½		18	44.79	3,093	102	11	30.7	19,993	157
23340	Virgo	8		18	54.21	3,054	82	1	36.6	19,991	227
23341	Coma	5		18	54.29	3,013	62	58	40.9	19,991	64
23342	Virgo	7		18	54.53	3,072	91	19	13.4	19,991	228
23343	Virgo	7½		18	54.57	3,072	91	19	15.5	19,991	154
23344	Canes Venatici.	9		18	57.79	2,994	55	43	3.7	19,991	59
23345	Coma	8		18	57.83	3,006	60	0	17.0	19,991	63
23346	Virgo	9		18	58.44	3,040	74	55	43.4	19,991	223
23347	Canes Venatici.	9		18	58.54	2,995	55	58	2.0	19,991	59
23348	Canes Venatici.	9		19	6.41	2,980	51	17	47.4	19,990	57
23349	Coma	7½		19	8.51	2,999	57	29	57.6	19,989	69
23350	Draco.....	10		19	13.08	2,811	23	25	4.4	19,989	355
23351	Coma	8		19	15.35	3,032	71	33	58.9	19,989	147
23352	Virgo	•		19	18.07	3,058	84	3	21.6	19,988	230
23353	Virgo	9		19	20.04	3,045	77	45	17.9	19,988	331
23354	Canes Venatici.	7		19	22.30	2,988	54	11	21.1	19,988	328
23355	Canes Venatici.	8½		19	22.80	2,960	45	52	43.1	19,988	7
23356	Virgo	•		19	24.47	3,044	77	23	59.4	19,988	149
23357	Coma	5		19	25.42	3,016	64	47	1.2	19,988	65
23358	Corvus	9		19	31.11	3,101	105	14	20.1	19,987	232
23359	Corvus ô	3		19	31.52	3,101	105	23	58.7	19,987	329
23360	Coma	9	12	19	31.54	+3,002	59	23	49.5	+19,987	63

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23361	Virgo	9½	12 19 31.57	+3.074	92 11 34.5	+19.987	154
23362	Corvus δ	3	19 32.25	3.101	105 24 2.0	19.987	232
23363	Corvus δ	3	19 32.26	3.101	105 23 55.7	19.987	332
23364	Coma	9	19 32.55	3.002	59 22 40.5	19.987	63
23365	Corvus δ	3	19 33.29	3.101	105 23 58.4	19.987	155
23366	Coma	6	19 39.70	3.023	67 59 42.5	19.986	61
23367	Coma	7	19 40.49	3.037	74 14 33.4	19.986	223
23368	Virgo	8	19 46.03	3.080	94 54 40.0	19.985	151
23369*	Virgo	6½	19 47.37	3.095	102 16 59.0	19.985	157
23370	Virgo	9	19 48.08	3.082	95 52 53.2	19.985	152
23371	Coma	8	19 48.76	3.030	70 58 50.6	19.985	228
23372	Virgo .....	.	19 52.08	3.081	95 46 32.9	19.984	152
23373	Coma	8	19 55.50	3.014	64 33 6.8	19.984	65
23374	Coma	8	19 57.54	3.010	62 46 16.6	19.983	64
23375	Coma	8½	19 59.08	3.014	64 20 35.6	19.983	65
23376	Virgo	8	20 0.48	3.055	83 0 54.2	19.983	227
23377	Coma	8	20 3.15	3.027	69 59 47.5	19.983	228
23378	Virgo	9	20 3.91	3.071	90 49 56.4	19.983	228
23379	Virgo	9	20 7.34	3.080	94 55 17.1	19.982	151
23380	Coma	8	20 18.49	3.019	66 56 32.4	19.981	67
23381	Virgo	6	20 22.88	3.060	85 23 7.2	19.980	230
23382	Virgo	7	20 23.71	3.047	79 10 25.9	19.980	331
23383	Virgo	7½	20 24.18	3.047	79 10 24.4	19.980	224
23384	Canes Venatici.	8	20 24.73	2.969	49 38 24.5	19.980	58
23385	Canes Venatici.	7½	20 24.98	2.969	49 38 18.7	19.980	9
23386	Virgo .....	.	20 31.51	3.057	83 48 59.2	19.979	230
23387	Virgo	7	20 35.01	3.076	92 57 11.3	19.979	154
23388	Canes Venatici.	8½	20 39.78	2.983	54 22 44.1	19.978	328
23389	Virgo	8½	20 42.10	3.066	88 13 44.3	19.978	231
23390	Virgo	9	20 42.24	3.040	76 24 11.0	19.978	149
23391	Canes Venatici.	8	20 43.33	2.986	55 8 32.8	19.977	328
23392	Virgo	8	20 44.60	3.088	98 40 50.3	19.977	153
23393	Corvus	7½	20 45.39	3.110	108 29 12.3	19.977	233
23394	Virgo	9	20 51.30	3.088	98 22 45.4	19.977	153
23395	Virgo	9½	20 58.11	3.064	87 33 41.0	19.976	231
23396	Coma	5	21 0.32	3.011	64 19 31.6	19.975	65
23397	Virgo	7½	21 0.57	3.060	85 19 40.2	19.975	230
23398	Coma	8	21 1.16	3.031	72 16 33.7	19.975	147
23399	Virgo	7½	21 1.61	3.064	87 33 53.0	19.975	231
23400	Virgo	8½	12 21 3.13	+3.094	101 22 30.4	+19.975	157

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23401	Coma.....	8	12	21	3.89	+3,002	61 9 41.0	+19,975	63
23402	Coma.....	7		21	5.20	2,991	57 28 15.5	19,975	69
23403	Coma.....	7½		21	5.58	2,991	57 28 15.3	19,975	59
23404	Virgo.....	7		21	6.10	3,087	98 4 23.4	19,975	153
23405	Virgo.....	7		21	6.40	3,087	98 4 24.5	19,975	153
23406	Canes Venatici.	9		21	8.06	2,950	45 44 3.9	19,974	7
23407	Virgo.....	8½		21	8.85	3,097	102 27 24.7	19,974	157
23408	Virgo.....	8		21	9.76	3,057	84 10 17.8	19,974	230
23409	Virgo.....	7½		21	10.69	3,056	83 50 29.2	19,974	230
23410	Virgo.....	6½		21	11.49	3,051	81 17 20.6	19,974	224
23411	Virgo.....	6½		21	11.56	3,051	81 17 19.2	19,974	227
23412	Canes Venatici.	9		21	14.49	2,977	53 4 30.0	19,973	57
23413	Coma.....	9		21	15.24	3,021	68 39 58.2	19,973	68
23414	Canes Venatici.	7		21	15.27	2,963	49 18 44.2	19,973	58
23415*	Canes Venatici.	7		21	16.36	2,898	35 49 40.8	19,973	354
23416	Virgo.....	6		21	22.58	3,078	93 56 49.5	19,972	151
23417	Corvus.....	7		21	25.91	3,102	104 36 17.8	19,972	332
23418	Corvus.....	7½		21	27.75	3,115	109 52 45.8	19,971	234
23419	Virgo.....	8		21	30.57	3,095	101 34 17.1	19,971	157
23420	Virgo.....	8		21	31.13	3,044	78 37 14.0	19,971	331
23421	Virgo.....	8		21	32.63	3,040	76 45 55.4	19,971	149
23422	Coma.....	7½		21	34.89	3,002	61 49 29.7	19,971	64
23423	Coma.....	8		21	35.23	3,006	63 1 17.9	19,971	64
23424	Canes Venatici.	7½		21	37.01	2,984	55 52 25.8	19,971	59
23425	Virgo.....	8½		21	39.77	3,080	94 40 51.5	19,970	151
23426	Virgo.....	7½		21	40.05	3,055	83 10 58.0	19,970	230
23427	Virgo.....	8		21	40.26	3,055	83 10 53.2	19,970	227
23428	Coma.....	8		21	44.60	3,013	65 55 31.4	19,969	67
23429	Coma.....	8		21	45.39	3,002	61 52 33.8	19,969	64
23430	Canes Venatici.	9		21	45.91	2,981	54 58 37.5	19,969	328
23431*	Corvus..... ♀	4½		21	46.79	3,104	105 5 8.1	19,969	332
23432	Corvus..... ♀	5		21	47.11	3,104	105 5 9.3	19,969	232
23433	Virgo.....	7½		21	49.76	3,071	90 39 59.9	19,969	228
23434	Coma.....	8		21	50.63	3,012	65 37 18.1	19,968	67
23435	Coma.....	8		21	53.95	2,995	59 34 43.2	19,968	69
23436	Coma.....	7		21	53.97	2,995	59 34 38.4	19,968	63
23437	Coma.....	8		21	55.09	2,995	59 34 44.3	19,968	565
23438	Draco.....	8		21	55.44	2,769	22 59 41.7	19,968	355
23439	Canes Venatici.	8		21	56.80	2,936	43 40 10.3	19,968	385
23440	Virgo.....	9	12	21	58.86	+3,076	93 2 54.5	+19,967	154

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23441	Corvus	6½	12 22 7.97	+3,117	110° 6' 12.6	+19,966	234
23442	Corvus	7	22 8.43	3,125	113 5 45.7	19,966	565
23443	Corvus	8	22 8.72	3,125	113 5 35.7	19,966	235
23444	Virgo	9	22 10.98	3,054	83 11 23.1	19,966	227
23445	Canes Venatici.	7	22 15.30	2,958	49 18 37.2	19,966	9
23446	Virgo	6	22 16.41	3,099	102 45 0.9	19,965	157
23447	Coma	8½	22 23.01	3,001	62 6 31.9	19,964	64
23448	Corvus	8	22 30.40	3,106	105 33 7.8	19,963	232
23449	Coma	9	22 31.03	2,996	60 48 6.4	19,963	565
23450	Canes Venatici.	8	22 33.38	2,931	43 23 59.9	19,962	385
23451	Canes Venatici.	8	22 33.41	2,941	45 41 30.8	19,962	7
23452	Canes Venatici.	9	22 42.03	2,966	51 50 50.8	19,961	57
23453	Coma	7½	22 44.38	3,009	65 28 29.9	19,961	67
23454	Canes Venatici.	8½	22 44.52	2,970	53 3 32.9	19,961	57
23455	Canes Venatici.	8	22 45.42	2,970	53 3 35.8	19,961	328
23456	Virgo	8½	22 47.04	3,072	91 10 56.0	19,960	228
23457	Virgo	8½	22 47.21	3,072	91 10 59.1	19,960	154
23458	Ursa Major ..	9	22 53.14	2,786	25 8 8.6	19,960	355
23459	Virgo	6	22 55.14	3,043	78 35 52.9	19,959	331
23460	Virgo	8	22 56.15	3,065	87 50 47.5	19,959	231
23461	Corvus	6	22 57.02	3,115	108 41 10.6	19,959	233
23462	Virgo	8½	22 58.66	3,050	81 38 38.8	19,959	227
23463	Virgo	6	23 12.67	3,098	101 43 39.8	19,957	157
23464*	Virgo	7½	23 15.32	3,048	80 56 36.9	19,957	224
23465	Corvus	9	23 19.01	3,126	112 24 13.4	19,956	235
23466	Virgo	6½	23 24.29	3,049	81 13 3.4	19,955	224
23467	Virgo	8	23 24.98	3,050	81 36 45.8	19,955	227
23468	Virgo	8½	23 25.24	3,060	85 58 55.3	19,955	230
23469	Virgo	7½	23 25.55	3,057	84 40 33.6	19,955	230
23470	Coma	8	23 25.55	3,016	68 27 30.9	19,955	68
23471	Virgo q	6	23 28.16	3,090	98 20 52.4	19,954	155
23472	Virgo q	6	23 28.17	3,090	98 20 47.3	19,954	153
23473	Virgo q	6	23 28.27	3,090	98 20 48.3	19,954	153
23474	Canes Venatici.	9	23 29.63	2,926	43 33 34.0	19,954	385
23475	Corvus	8	23 31.59	3,109	105 58 19.1	19,954	232
23476	Virgo	9	23 31.60	3,080	94 8 11.9	19,954	151
23477	Canes Venatici.	8	23 33.26	2,972	54 43 54.2	19,954	328
23478	Coma	7	23 33.34	3,004	64 26 41.6	19,954	65
23479	Coma	6	23 34.77	3,004	64 36 36.8	19,954	65
23480	Corvus	8	12 23 36.34	+3,126	112 26 30.8	+19,953	235

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23481	Virgo	8½	12 23 38,91	+3,083	95 40 30,5	+19,953	153
23482	Coma	8½	23 40,41	2,993	60 48 43,4	19,953	63
23483	Coma	8½	23 40,54	2,993	60 48 46,3	19,953	565
23484	Virgo	9	23 41,61	3,098	101 48 16,1	19,953	157
23485	Canes Venatici.	7	23 43,17	2,957	50 49 28,4	19,952	58
23486	Corvus	8	23 45,91	3,122	110 37 6,5	19,952	234
23487	Canes Venatici.	5½	23 46,34	2,975	55 38 45,4	19,952	59
23488	Canes Venatici.	5½	23 46,87	2,975	55 38 43,0	19,952	328
23489	Corvus β	3	23 54,41	3,127	112 17 21,8	19,950	565
23490	Corvus β	3	23 54,71	3,127	112 17 17,5	19,950	235
23491	Canes Venatici.	6½	23 55,35	2,974	55 30 34,9	19,950	328
23492	Canes Venatici.	6	23 55,44	2,974	55 30 35,2	19,950	59
23493	Virgo	9	23 57,25	3,076	92 36 43,4	19,950	154
23494	Virgo	8½	23 57,49	3,059	85 49 1,0	19,950	230
23495	Virgo	9½	24 4,48	3,091	98 29 45,6	19,949	153
23496	Virgo	7	24 8,64	3,070	90 18 11,1	19,948	228
23497	Virgo	8	24 10,48	3,051	82 30 28,2	19,948	227
23498	Canes Venatici.	5	24 13,15	2,941	47 33 13,6	19,948	9
23499	Canes Venatici.	4½	24 13,64	2,941	47 33 14,2	19,948	7
23500	Virgo	7	24 13,67	3,040	77 58 10,0	19,948	331
23501	Corvus	7½	24 13,97	3,108	105 14 57,8	19,948	332
23502	Coma	8½	24 16,91	3,030	74 15 7,1	19,947	223
23503	Virgo	6½	24 20,28	3,048	81 9 27,3	19,947	224
23504	Coma	8½	24 23,31	2,996	62 36 3,3	19,946	64
23505	Coma	9½	24 25,95	2,989	60 34 6,1	19,946	565
23506	Canes Venatici.	7	24 26,83	2,912	42 8 38,2	19,945	385
23507	Virgo	9	24 27,96	3,074	91 52 42,8	19,945	154
23508	Virgo	8	24 30,69	3,038	77 35 37,4	19,945	331
23509	Virgo	8	24 30,73	3,038	77 35 29,5	19,945	149
23510	Coma	8½	24 31,21	3,012	67 59 41,3	19,945	63
23511	Virgo	9	24 31,86	3,045	80 20 2,9	19,945	224
23512	Virgo	8	24 36,52	3,080	94 2 54,6	19,944	151
23513	Virgo	7	24 44,40	3,039	78 3 29,1	19,943	331
23514	Coma	8	24 47,14	3,009	67 20 41,6	19,943	68
23515	Coma	7½	24 47,35	3,001	64 40 16,7	19,942	65
23516	Coma	7½	24 47,39	3,009	67 20 47,7	19,942	67
23517	Coma	5	24 52,01	3,006	66 15 59,6	19,942	67
23518	Coma	7½	24 53,08	2,985	59 48 25,5	19,941	63
23519	Coma	8	24 54,29	2,985	59 48 26,3	19,941	565
23520	Virgo	8	12 24 56,46	+3,048	81 26 53,4	+19,941	227

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23521	Coma.....	8	12 25 3.45	+3,018	70 31 13.4	+19,940	228
23522	Coma.....	8	25 3,69	3,018	70 31 10.3	19,940	147
23523	Virgo.....	7½	25 3,85	3,037	77 20 48.1	19,940	149
23524	Virgo.....	7	25 4,18	3,037	77 20 50.0	19,940	331
23525	Virgo.....	6	25 4,77	3,061	86 38 18.4	19,939	230
23526	Coma.....	5½	25 5,19	3,018	70 31 10.3	19,939	147
23527	Coma.....	6	25 5,20	3,018	70 31 13.4	19,939	228
23528	Canes Venatici.	8	25 6,02	2,907	41 53 7.8	19,939	385
23529	Coma.....	6½	25 7,69	3,008	67 0 46.3	19,939	68
23530	Coma.....	8	25 7,96	2,981	58 42 4.3	19,939	69
23531	Virgo.....	7½	25 11,64	3,098	100 54 55.4	19,938	155
23532	Virgo.....	8	25 11,87	3,076	92 26 29.0	19,938	154
23533	Canes Venatici.	8	25 12,63	2,957	52 34 1.3	19,938	57
23534	Corvus.....	7	25 14,75	3,112	106 2 39.4	19,938	232
23535	Virgo.....	8½	25 15,50	3,055	84 12 59.7	19,938	230
23536	Corvus.....	6½	25 19,40	3,111	105 43 20.6	19,937	232
23537	Canes Venatici.	8	25 23,66	2,956	52 28 11.2	19,937	57
23538	Virgo.....	9½	25 24,14	3,098	100 55 16.4	19,937	155
23539	Corvus.....	8½	25 25,02	3,122	109 21 38.9	19,936	234
23540	Corvus.....	8½	25 26,34	3,122	109 21 35.7	19,936	233
23541	Virgo.....	8	25 26,52	3,086	96 20 38.4	19,936	153
23542	Coma.....	8	25 28,68	3,025	73 15 27.7	19,936	223
23543	Corvus.....	6½	25 30,47	3,122	109 25 14.4	19,935	234
23544	Corvus.....	6	25 31,52	3,122	109 25 12.1	19,935	233
23545	Virgo.....	7	25 31,65	3,098	100 58 0.6	19,935	155
23546	Coma.....	7	25 32,13	2,984	60 3 16.7	19,935	63
23547	Coma.....	8	25 32,71	2,984	60 3 14.5	19,935	565
23548	Canes Venatici.	7½	25 33,11	2,956	52 33 16.2	19,935	57
23549	Virgo.....	9	25 33,60	3,090	97 57 12.0	19,935	153
23550	Virgo.....	9	25 41,03	3,099	101 9 38.4	19,934	157
23551	Canes Venatici.	8	25 49,24	2,964	54 50 13.2	19,932	328
23552	Virgo.....	8	25 54,69	3,036	77 29 10.2	19,932	331
23553	Virgo.....	8	25 54,94	3,036	77 29 13.3	19,932	149
23554	Coma.....	8	25 54,97	2,997	64 22 46.5	19,932	65
23555	Coma.....	9	26 0,35	2,983	60 12 2.8	19,931	63
23556	Virgo.....	9	26 2,65	3,100	101 26 38.5	19,930	157
23557	Canes Venatici.	7	26 3,84	2,939	49 12 43.7	19,930	58
23558	Canes Venatici.	8	26 4,02	2,939	49 12 8.9	19,930	9
23559	Coma.....	8	26 4,52	2,994	63 28 10.5	19,930	65
23560	Coma.....	8	12 26 4,71	+2,994	63 28 11.0	+19,930	64

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23561	Canes Venatici.	8	12	26	6.45	+2,972	57	9	44.9	+19,930	69
23562	Canes Venatici.	8		26	7.55	2,971	57	9	46.6	19,929	59
23563	Virgo	9		26	8.45	3,064	87	51	10.4	19,929	231
23564	Canes Venatici.	7½		26	10.03	2,970	56	53	28.7	19,929	69
23565	Canes Venatici.	7½		26	10.62	2,970	56	53	31.4	19,929	59
23566	Canes Venatici.	8½		26	13.06	2,953	52	38	6.2	19,928	57
23567	Coma	8½		26	13.43	2,979	59	26	30.9	19,928	565
23568	Virgo	8½		26	15.85	3,083	94	57	46.9	19,928	151
23569	Canes Venatici.	8		26	16.25	2,906	43	6	56.0	19,928	385
23570	Canes Venatici.	7½		26	16.93	2,906	43	7	3.4	19,928	385
23571	Virgo	8½		26	20.57	3,037	78	9	51.2	19,927	331
23572	Corvus	7		26	27.02	3,109	104	28	11.1	19,926	332
23573	Canes Venatici.	8½		26	28.36	2,962	54	58	29.2	19,926	328
23574	Virgo	8½		26	28.61	3,100	101	16	33.9	19,926	157
23575	Corvus	8½		26	29.85	3,110	104	37	7.8	19,926	332
23576	Virgo .....f	5½		26	29.88	3,082	94	43	36.3	19,925	151
23577	Canes Venatici.	9		26	32.25	2,937	49	21	25.7	19,925	58
23578	Canes Venatici.	8½		26	33.16	2,968	56	42	3.2	19,925	59
23579	Virgo	7		26	34.79	3,089	97	11	43.9	19,925	153
23580	Corvus	7½		26	40.77	3,138	113	47	28.4	19,924	565
23581	Virgo	6½		26	44.09	3,073	91	12	39.2	19,923	333
23582	Coma	8		26	47.87	3,009	68	39	36.9	19,923	68
23583	Virgo	7		26	48.98	3,073	91	4	36.7	19,922	228
23584	Virgo	7½		26	49.07	3,073	91	12	36.1	19,922	154
23585	Coma	9		26	56.00	2,976	59	12	7.6	19,921	565
23586	Coma	6		26	56.07	3,018	71	48	23.7	19,921	147
23587	Coma	8½		26	57.85	3,027	74	38	35.5	19,921	223
23588	Virgo	6½		26	59.91	3,042	80	5	57.4	19,920	224
23589	Virgo	9		27	1.93	3,067	89	5	11.8	19,920	231
23590	Virgo	7		27	2.13	3,090	97	11	44.5	19,920	153
23591	Virgo	9		27	2.50	3,032	76	42	40.2	19,920	149
23592	Virgo	8		27	5.97	3,033	77	4	37.6	19,920	149
23593	Hydra	6		27	6.96	3,147	116	1	40.3	19,919	235
23594	Canes Venatici.	9		27	9.00	2,902	43	22	43.5	19,919	385
23595	Corvus	8½		27	10.13	3,141	114	25	35.4	19,919	565
23596	Coma	8		27	11.29	3,005	67	41	48.8	19,919	111
23597	Corvus	8		27	12.86	3,131	111	12	17.7	19,918	234
23598	Virgo	9		27	13.20	3,101	101	17	2.7	19,918	155
23599	Virgo	8		27	16.70	3,030	75	54	45.0	19,918	149
23600	Virgo	9½	12	27	17.14	+3,076	92	27	42.9	+19,917	154

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23601	Virgo	9	12 27 17.34	+3,109	103 45 1.7	+19,917	332
23602	Canes Venatici.	9	27 29.91	2,893	42 13 6.0	19,915	385
23603	Virgo	7	27 30.79	3,037	78 18 46.3	19,915	331
23604	Virgo	9	27 32.54	3,030	76 13 34.4	19,915	149
23605	Virgo	6½	27 40.76	3,054	84 36 19.3	19,914	230
23606	Coma	8	27 44.68	2,977	60 15 56.8	19,913	63
23607	Coma	8	27 45.28	2,977	60 15 56.6	19,913	565
23608	Virgo	5½	27 53.03	3,057	85 36 51.4	19,911	230
23609	Virgo	8	27 55.04	3,102	101 17 2.9	19,911	157
23610	Canes Venatici.	8	27 55.64	2,934	50 12 32.4	19,911	58
23611	Canes Venatici.	8½	27 58.14	2,961	56 21 55.8	19,910	59
23612	Canes Venatici.	8	27 58.22	2,899	43 38 45.7	19,910	385
23613	Virgo	8½	27 58.67	3,100	100 24 55.6	19,910	155
23614	Virgo .....	.	28 1.33	3,039	79 18 41.2	19,910	224
23615	Corvus	8	28 3.15	3,144	114 22 54.9	19,910	565
23616	Virgo	6	28 10.47	3,061	87 2 28.8	19,908	231
23617	Corvus	9	28 19.40	3,121	107 8 59.4	19,907	232
23618	Corvus	6	28 19.73	3,121	107 8 59.7	19,906	233
23619	Coma	7	28 22.02	3,022	74 1 24.6	19,906	223
23620	Virgo	8	28 30.65	3,025	75 5 17.8	19,904	149
23621	Virgo	7	28 30.83	3,025	75 5 25.0	19,904	223
23622	Corvus	9	28 31.03	3,121	107 3 21.8	19,904	232
23623	Coma	8	28 38.48	2,975	60 19 27.7	19,903	63
23624	Coma	9	28 38.76	2,975	60 19 27.5	19,903	565
23625	Virgo	7	28 42.68	3,069	89 45 1.7	19,902	228
23626	Virgo	6½	28 42.85	3,069	89 45 3.9	19,902	333
23627	Virgo	9	28 45.14	3,090	96 48 52.8	19,902	153
23628	Coma	8	28 45.33	2,993	65 15 45.1	19,902	65
23629	Virgo	9	28 46.83	3,025	75 5 36.0	19,902	223
23630	Virgo	8	28 46.90	3,058	85 57 30.9	19,902	230
23631	Virgo	9	28 47.44	3,025	75 5 36.8	19,901	149
23632	Corvus	9	28 51.52	3,121	106 56 41.3	19,901	232
23633	Corvus	9	28 53.29	3,139	112 27 8.7	19,900	235
23634	Virgo..... χ	5	28 56.06	3,090	96 53 32.5	19,900	153
23635	Virgo..... χ	5	28 56.17	3,090	96 53 35.9	19,900	153
23636	Virgo	9	28 56.33	3,025	75 6 36.0	19,900	223
23637	Coma	9	28 56.54	3,024	74 56 33.5	19,900	149
23638	Canes Venatici.	7½	28 57.52	2,949	54 19 11.4	19,899	328
23639	Corvus	8	29 0.61	3,125	108 8 15.0	19,899	233
23640	Canes Venatici.	7½	12 29 1.97	+2,893	43 40 45.5	+19,899	385

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23641	Virgo	10	12	29	3,64	+3,090	96 55 40,0	+19,898	153
23642	Corvus	8½		29	4,26	3,140	112 42 32,2	19,898	235
23643	Coma	6		29	5,03	2,995	66 14 14,3	19,898	67
23644	Coma	8		29	5,92	3,023	74 34 12,2	19,898	223
23645	Coma	8		29	7,98	3,013	72 25 5,5	19,898	147
23646	Canes Venatici.	8		29	8,22	2,925	49 34 53,7	19,898	58
23647	Coma	5½		29	9,58	3,001	67 50 4,9	19,898	68
23648	Coma	7½		29	10,99	3,016	72 23 12,4	19,897	147
23649	Virgo	6½		29	11,87	3,085	94 59 53,0	19,897	151
23650	Coma	8½		29	20,83	2,972	59 39 1,1	19,895	63
23651	Coma	9		29	23,21	2,964	58 18 53,7	19,895	69
23652	Corvus	8		29	26,74	3,122	107 4 52,0	19,894	232
23653	Canes Venatici.	6		29	31,47	2,940	52 56 48,3	19,894	57
23654	Canes Venatici.	9		29	33,41	2,948	54 41 8,8	19,893	328
23655	Virgo	8		29	37,95	3,076	91 57 51,7	19,892	154
23656	Virgo	8		29	50,83	3,084	94 52 52,6	19,890	151
23657	Virgo	9		29	57,33	3,093	97 40 32,0	19,888	153
23658	Virgo	8½		30	6,35	3,040	80 22 22,8	19,887	224
23659	Virgo	7		30	12,74	3,110	102 59 52,8	19,885	157
23660	Canes Venatici.	9		30	14,79	2,932	51 53 58,2	19,885	57
23661	Corvus	8½		30	15,71	3,129	108 37 33,0	19,885	233
23662	Corvus	8½		30	17,44	3,117	105 2 42,7	19,885	332
23663	Coma	8		30	19,35	2,996	67 22 24,3	19,884	■
23664	Virgo	7½		30	21,38	3,092	97 20 20,9	19,884	153
23665	Canes Venatici.	.		30	23,57	2,900	46 7 25,4	19,883	7
23666	Canes Venatici.	7		30	23,63	2,945	54 43 57,7	19,883	328
23667	Virgo	8		30	26,67	3,042	81 11 58,9	19,883	224
23668	Coma	7½		30	27,46	3,014	72 37 8,6	19,882	147
23669	Virgo	7½		30	38,91	3,054	85 1 42,9	19,880	230
23670	Virgo	8		30	39,35	3,026	76 11 1,3	19,880	149
23671	Virgo	7		30	39,55	3,054	85 1 41,2	19,880	230
23672	Coma	7½		30	45,39	2,960	58 31 3,8	19,879	69
23673	Virgo	7½		30	46,76	3,038	80 4 3,2	19,879	224
23674	Corvus	7½		30	54,11	3,149	113 53 44,5	19,877	565
23675	Virgo	7½		30	54,19	3,108	101 54 52,4	19,877	157
23676	Virgo	7		30	54,49	3,108	101 54 56,4	19,877	157
23677	Corvus	8½		31	1,14	3,134	109 31 0,1	19,876	234
23678	Coma	8		31	2,50	3,016	73 29 54,7	19,876	223
23679	Virgo	9		31	3,26	3,090	96 16 43,1	19,876	153
23680	Coma	8	12	31	3,75	+2,973	61 45 33,1	+19,876	64

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23681	Canes Venatici.	7½	12 31 6,53	+2,942	54 47 39,6	+19,875	328
23682	Coma	6½	31 18,64	2,958	58 27 47,7	19,873	69
23683	Corvus	6½	31 22,64	3,131	108 39 33,3	19,872	233
23684	Coma	8	31 24,75	3,003	69 49 20,5	19,872	71
23685	Coma	9	31 27,29	2,992	67 4 14,1	19,871	67
23686	Virgo	6	31 29,37	3,032	78 28 20,3	19,871	331
23687	Virgo..... γ	3	31 32,05	3,071	90 20 57,1	19,870	333
23688	Virgo..... γ	3	31 32,14	3,071	90 20 59,9	19,870	228
23689	Virgo..... γ	3	31 32,36	3,071	90 21 0,0	19,870	155
23690	Virgo	9½	31 35,43	3,028	77 8 7,5	19,869	149
23691	Virgo	7	31 37,61	3,090	96 23 54,4	19,869	153
23692	Virgo	8½	31 39,97	3,047	83 1 55,8	19,868	227
23693	Virgo	7½	31 41,79	3,083	94 7 2,6	19,868	151
23694	Virgo	6½	31 42,18	3,034	79 0 52,1	19,868	331
23695	Canes Venatici.	8½	31 44,15	2,917	50 30 31,4	19,867	58
23696	Virgo	9	31 45,10	3,094	97 30 34,4	19,867	153
23697	Virgo..... d¹	6	31 48,93	3,044	82 5 36,8	19,866	286
23698	Virgo..... d¹	6	31 49,07	3,044	82 5 34,2	19,866	227
23699	Canes Venatici.	.	31 50,05	2,905	48 19 7,7	19,866	9
23700	Virgo	8	31 50,86	3,064	88 24 13,3	19,866	231
23701	Coma	9½	31 50,86	2,956	58 31 35,7	19,866	69
23702	Virgo	7	31 51,62	3,116	103 58 46,6	19,866	332
23703	Virgo	9	31 53,28	3,037	79 53 45,9	19,866	224
23704	Virgo	7	31 59,05	3,117	104 8 19,3	19,865	332
23705	Coma .....	.	32 18,13	2,972	62 32 35,7	19,860	64
23706	Virgo	7½	32 18,63	3,084	94 21 56,2	19,860	151
23707	Virgo	8½	32 22,80	3,118	104 21 52,4	19,860	332
23708	Virgo	7½	32 26,79	3,058	86 19 14,5	19,859	230
23709	Virgo	8	32 31,38	3,112	102 31 54,9	19,858	157
23710	Corvus	9	32 31,67	3,149	112 44 32,5	19,858	235
23711	Canes Venatici.	6½	32 36,37	2,938	55 12 26,3	19,857	59
23712	Canes Venatici.	6½	32 36,92	2,938	55 12 19,9	19,857	328
23713	Corvus	7	32 38,40	3,154	113 53 32,5	19,856	565
23714	Virgo	8	32 45,91	3,048	83 37 43,3	19,855	230
23715	Canes Venatici.	6½	32 46,98	2,865	43 1 16,2	19,855	385
23716	Canes Venatici.	.	32 47,09	2,865	43 1 26,6	19,855	385
23717	Coma	7	32 48,60	2,962	60 32 14,6	19,854	63
23718	Canes Venatici.	9	32 48,70	2,938	55 18 19,9	19,854	328
23719	Coma	7	32 48,87	2,962	60 32 22,4	19,854	565
23720	Canes Venatici.	8	12 32 55,06	+2,936	55 5 12,1	+19,853	59

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23721	Canes Venatici.	9	12 32 55.43	+2,938	55 27 37.5	+19,853	59
23722	Canes Venatici.	8	32 55.63	2,936	55 5 6.7	19,853	328
23723	Virgo	9	32 58.44	3,026	77 6 31.5	19,852	149
23724	Coma	8	33 3.10	2,972	62 59 27.1	19,851	64
23725	Virgo	9½	33 7.93	3,076	91 46 33.2	19,850	155
23726	Virgo	7½	33 8.94	3,113	102 45 33.7	19,850	157
23727	Virgo	7	33 10.01	3,031	78 47 51.7	19,850	331
23728	Coma	8	33 11.21	2,978	64 36 2.2	19,850	65
23729	Corvus	9	33 18.50	3,156	113 56 38.2	19,848	565
23730	Coma	8½	33 19.33	2,976	64 17 25.9	19,848	65
23731	Virgo	8	33 19.98	3,057	86 16 48.3	19,848	230
23732	Virgo	6	33 21.79	3,071	90 28 23.4	19,847	333
23733	Virgo	8	33 23.73	3,107	100 54 54.2	19,847	156
23734	Virgo	8	33 24.40	3,059	86 44 17.2	19,847	230
23735	Coma	6½	33 25.57	2,970	62 46 21.8	19,846	64
23736	Virgo	8½	33 27.03	3,071	90 20 12.1	19,846	333
23737	Virgo .....	.	33 27.20	3,099	98 40 3.0	19,846	153
23738	Virgo	8	33 29.66	3,040	81 20 38.7	19,846	287
23739	Corvus	9	33 30.17	3,133	107 58 13.8	19,845	233
23740	Coma	7	33 44.72	2,971	63 13 21.9	19,843	65
23741	Coma	8	33 45.07	2,971	63 13 18.3	19,842	64
23742	Virgo	8	33 47.65	3,055	85 50 2.5	19,842	230
23743	Virgo	9	33 52.91	3,083	93 52 46.9	19,841	151
23744	Virgo	7½	33 55.91	3,076	91 44 37.1	19,840	155
23745	Virgo	8½	33 56.31	3,028	77 58 48.5	19,840	331
23746	Virgo	9	33 56.91	3,114	102 36 10.1	19,840	157
23747	Corvus	8½	34 0.94	3,132	107 24 10.2	19,839	233
23748	Coma	8	34 3.63	2,989	67 43 51.5	19,839	68
23749	Virgo	8	34 4.57	3,054	85 33 5.0	19,838	230
23750	Virgo	8½	34 10.05	3,071	90 23 27.1	19,837	333
23751	Virgo	8	34 12.12	3,064	88 21 53.1	19,837	231
23752	Virgo	8½	34 12.31	3,042	82 2 51.6	19,836	287
23753	Corvus	6½	34 14.54	3,129	106 40 42.7	19,836	232
23754	Canes Venatici.	8	34 16.89	2,928	54 33 9.1	19,835	328
23755	Canes Venatici.	6	34 27.33	2,919	53 8 5.1	19,833	57
23756	Virgo	8½	34 30.55	3,018	75 33 4.1	19,833	149
23757	Coma	8	34 30.61	2,958	60 55 14.8	19,833	63
23758	Coma	7½	34 31.35	2,958	60 55 15.7	19,832	565
23759	Corvus	8	34 35.23	3,123	104 56 49.2	19,832	332
23760	Virgo	7½	12 34 39.00	+3,096	97 26 4.0	+19,831	152

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23761*	Coma	8	12 34 42.88	+3,001	71 12 9.7	+19,830	71
23762	Canes Venatici.	•	34 48.04	2,895	49 15 45.9	19,829	58
23763	Virgo	9	34 53.56	3,017	75 24 32.9	19,818	149
23764	Coma	8	34 55.81	2,953	60 2 30.9	19,827	565
23765	Canes Venatici.	6½	34 58.62	2,865	44 48 6.9	19,826	385
23766	Canes Venatici.	6	34 59.02	2,865	44 48 3.9	19,826	7
23767	Virgo	9	35 0.78	3,080	92 47 10.4	19,826	155
23768	Virgo	8	35 0.78	3,080	92 47 29.4	19,826	155
23769	Corvus	8	35 2.73	3,140	109 2 50.7	19,825	233
23770	Virgo	8½	35 3.91	3,122	104 24 43.5	19,825	332
23771	Canes Venatici.	6½	35 3.96	2,871	45 46 31.7	19,825	7
23772	Virgo	8½	35 7.57	3,084	94 1 36.2	19,824	151
23773	Canes Venatici.	7	35 8.03	2,917	53 15 32.1	19,824	57
23774	Virgo	8½	35 8.10	3,097	97 35 9.5	19,824	153
23775	Canes Venatici.	8	35 8.72	2,917	53 15 34.8	19,824	328
23776	Canes Venatici.	9	35 8.81	2,800	37 8 0.1	19,824	354
23777	Corvus	8	35 9.93	3,160	113 52 56.3	19,824	565
23778	Virgo	8	35 10.42	3,053	85 22 48.5	19,824	230
23779	Canes Venatici.	7½	35 11.13	2,931	55 49 12.4	19,824	59
23780	Coma	7½	35 13.62	2,959	61 30 26.5	19,823	64
23781	Virgo	7½	35 14.64	3,083	93 42 51.3	19,823	151
23782	Coma	8½	35 16.01	2,957	61 9 31.1	19,823	63
23783	Corvus	7½	35 19.87	3,147	110 40 13.7	19,822	234
23784	Virgo	8	35 23.54	3,016	75 29 5.9	19,821	149
23785	Corvus	9	35 28.02	3,141	108 58 42.2	19,820	233
23786	Canes Venatici.	6	35 29.94	2,900	50 37 59.1	19,819	58
23787	Virgo..... d ²	6	35 30.66	3,038	81 13 49.4	19,819	287
23788	Virgo..... d ²	6	35 30.67	3,038	81 13 46.8	19,819	224
23789	Virgo..... d ²	6	35 30.77	3,038	81 13 48.5	19,819	227
23790	Virgo	7½	35 33.83	3,123	104 26 18.6	19,819	332
23791	Virgo	8	35 34.82	3,099	98 12 15.4	19,818	153
23792	Coma	8	35 40.07	2,946	59 7 38.9	19,817	69
23793	Canes Venatici.	5½	35 41.42	2,851	43 27 53.5	19,816	385
23794	Coma	8	35 43.20	2,943	58 42 25.6	19,816	69
23795	Coma	9	35 46.15	2,950	60 5 0.8	19,816	565
23796	Coma	9	35 47.09	2,958	61 46 26.7	19,816	64
23797	Coma	8½	35 53.05	3,015	75 19 9.6	19,814	149
23798	Corvus	7	35 54.58	3,134	107 7 15.1	19,814	232
23799	Canes Venatici.	7	36 1.06	2,925	55 21 35.3	19,812	60
23800	Canes Venatici.	7½	12 36 1.37	+2,925	55 21 38.0	+19,812	59

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23801	Virgo	8½	12 36 2,19	+3,123	104 20 39,3	+19,812	158
23802	Canes Venatici.	7	36 2,22	2,925	55 21 32,8	19,812	328
23803	Canes Venatici.	9	36 3,28	2,898	50 42 30,2	19,812	58
23804	Virgo	7½	36 3,30	3,123	104 20 33,2	19,812	332
23805	Canes Venatici.	9	36 5,76	2,897	50 32 33,0	19,811	58
23806	Virgo	8	36 10,96	3,109	100 43 6,4	19,810	156
23807	Virgo	8½	36 12,27	3,057	86 34 30,8	19,810	230
23808	Virgo	6	36 12,75	3,030	79 20 19,7	19,810	224
23809	Virgo	8½	36 12,80	3,030	79 23 57,8	19,810	224
23810	Virgo	5½	36 13,16	3,030	79 20 24,3	19,809	331
23811	Coma	9	36 14,99	2,945	59 18 10,1	19,809	69
23812	Virgo	8	36 17,84	3,069	89 43 29,5	19,808	333
23813	Coma	9	36 19,13	2,947	59 54 48,6	19,808	565
23814	Virgo	8	36 20,78	3,031	79 37 7,1	19,808	224
23815	Virgo	8	36 25,79	3,068	89 34 0,2	19,807	333
23816	Coma	8	36 29,17	2,979	66 53 53,5	19,806	67
23817	Coma	8	36 29,24	3,002	72 22 54,3	19,806	71
23818	Coma	5	36 38,96	3,002	72 19 41,2	19,803	71
23819	Virgo	8	36 39,24	3,095	96 42 5,2	19,803	153
23820	Coma	6	36 42,08	2,969	64 44 47,0	19,803	65
23821	Virgo	8½	36 44,47	3,100	98 7 1,1	19,803	154
23822	Canes Venatici.	9	36 45,66	2,925	55 50 27,5	19,802	59
23823	Corvus	8	36 51,18	3,139	107 54 28,4	19,801	233
23824	Virgo	6	36 52,78	3,043	82 57 3,9	19,800	230
23825	Virgo	7	36 52,96	3,043	82 57 2,9	19,800	287
23826	Virgo	8½	36 53,52	3,060	87 25 27,0	19,800	231
23827	Virgo	9	36 53,56	3,112	101 11 3,1	19,800	156
23828	Virgo	8	36 53,62	3,112	101 11 1,3	19,800	157
23829	Corvus	8½	36 54,04	3,149	110 22 9,4	19,800	234
23830	Virgo	7	36 55,75	3,031	79 50 24,5	19,800	224
23831	Coma	9	37 0,53	3,001	72 24 44,3	19,798	71
23832	Coma	8	37 2,04	3,013	75 17 14,6	19,798	149
23833	Coma	9	37 2,54	2,955	61 55 56,7	19,798	64
23834	Canes Venatici.	9	37 3,55	2,902	52 3 24,9	19,798	57
23835	Virgo	6	37 8,59	3,020	76 56 47,9	19,797	228
23836	Virgo	6	37 9,63	3,020	76 56 45,7	19,797	331
23837	Virgo	6	37 9,66	3,020	76 56 41,0	19,797	149
23838	Coma	7	37 9,91	3,005	73 18 43,1	19,796	73
23839	Virgo	6	37 14,13	3,089	95 12 13,3	19,795	151
23840	Virgo	6	12 37 14,18	+3,089	95 12 13,9	+19,795	153

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23841	Corvus	6½	12 37 16,66	+3,166	113 55 9,9	+19,795	565
23842	Canes Venatici.	8	37 16,80	2,825	41 31 50,9	19,795	385
23843	Corvus	7	37 16,84	3,166	113 55 8,0	19,795	235
23844	Corvus	6½	37 17,02	3,165	113 45 29,6	19,795	235
23845	Corvus	6½	37 17,72	3,165	113 45 35,0	19,794	565
23846	Virgo	8	37 18,90	3,114	101 28 55,5	19,794	157
23847	Virgo	9	37 19,12	3,114	101 28 52,0	19,794	156
23848	Canes Venatici.	7½	37 20,87	2,858	45 45 0,5	19,794	7
23849	Canes Venatici.	8	37 23,52	2,925	56 20 9,9	19,793	59
23850	Coma	8½	37 25,19	2,999	72 4 40,9	19,793	71
23851	Virgo	8½	37 28,08	3,059	87 13 6,6	19,792	231
23852	Virgo	8½	37 37,92	3,101	98 4 20,9	19,790	154
23853	Virgo	8½	37 39,12	3,101	98 2 53,8	19,789	154
23854	Virgo	6	37 40,54	3,052	85 19 53,1	19,789	230
23855	Virgo	6	37 40,58	3,052	85 19 54,4	19,789	230
23856	Corvus	8½	37 44,35	3,166	113 47 15,4	19,788	565
23857	Coma	9	37 49,06	2,950	61 29 42,3	19,787	64
23858	Coma	7½	37 52,44	2,989	69 52 50,0	19,786	71
23859	Virgo	7½	37 53,17	3,067	89 15 46,5	19,786	333
23860	Virgo	7½	37 54,34	3,052	85 27 2,6	19,786	230
23861	Virgo	7½	37 54,38	3,052	85 26 57,3	19,786	230
23862	Canes Venatici.	9	37 54,58	2,921	56 3 35,6	19,786	59
23863	Coma	9	37 56,26	2,977	67 16 5,7	19,785	68
23864	Virgo	8½	37 58,51	3,059	87 8 13,5	19,785	231
23865	Virgo	9	38 1,68	3,114	101 26 21,3	19,784	157
23866	Virgo	8	38 2,09	3,127	104 37 39,6	19,784	158
23867	Coma	7	38 2,66	2,990	70 4 5,2	19,784	71
23868	Virgo	7½	38 2,92	3,127	104 37 40,5	19,784	332
23869	Coma	7	38 4,45	2,939	59 22 28,2	19,783	63
23870	Coma	7	38 4,73	2,939	59 22 29,0	19,783	69
23871	Coma	7	38 5,28	2,939	59 22 27,0	19,783	565
23872	Coma	6½	38 7,87	2,965	64 48 38,0	19,782	65
23873	Coma	6	38 12,99	3,012	75 21 7,1	19,781	228
23874	Coma	7	38 13,03	3,012	75 21 2,6	19,781	149
23875	Virgo	8	38 14,26	3,030	79 47 39,3	19,781	224
23876	Canes Venatici.	9	38 14,37	2,764	36 2 36,7	19,781	354
23877	Coma	8	38 14,78	2,951	61 47 46,5	19,781	64
23878	Coma	7½	38 21,44	2,987	69 34 57,7	19,779	71
23879	Virgo	9	38 23,49	3,118	102 17 38,8	19,779	157
23880	Coma	8½	12 38 28,05	+2,981	68 16 1,8	+19,778	68

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23881	Coma	8	12 38 31,69	+2,933	58 30 33,2	+19,777	69
23882	Virgo	9	38 36,40	3,119	102 31 58,7	19,776	157
23883	Corvus	9	38 37,66	3,149	109 30 52,8	19,775	234
23884	Virgo	8	38 37,97	3,102	98 7 29,1	19,775	154
23885	Virgo	9	38 38,26	3,029	79 42 56,2	19,775	224
23886	Canes Venatici.	9	38 38,92	2,898	52 34 30,2	19,775	57
23887	Coma	8½	38 40,53	2,997	71 58 0,7	19,775	71
23888	Virgo	9	38 43,04	3,071	90 24 31,9	19,774	333
23889	Virgo	9	38 43,24	3,114	101 3 16,6	19,774	335
23890	Virgo	7½	38 45,91	3,017	76 48 5,6	19,773	149
23891	Coma	8	38 46,10	3,012	75 34 50,9	19,773	149
23892	Coma	8½	38 47,91	3,009	74 51 59,7	19,773	73
23893	Hydra	8	38 48,97	3,171	114 12 2,8	19,772	565
23894	Virgo	9	38 50,07	3,087	94 20 52,9	19,772	151
23895	Coma	5½	38 52,59	3,008	74 46 57,6	19,772	73
23896	Canes Venatici.	8	38 54,67	2,897	52 33 49,2	19,771	57
23897	Corvus	9	38 56,38	3,135	106 5 50,5	19,771	232
23898	Virgo	9	38 57,26	3,113	100 50 20,6	19,771	335
23899	Corvus	8	38 57,31	3,135	106 3 7,2	19,771	232
23900	Coma	6	39 1,91	2,959	64 3 34,2	19,769	65
23901	Virgo	7	39 15,66	3,130	104 47 16,2	19,766	158
23902	Virgo	7	39 15,96	3,045	83 43 48,2	19,766	230
23903	Virgo	6½	39 17,07	3,130	104 47 18,2	19,766	332
23904	Virgo	8	39 18,17	3,126	103 59 8,6	19,765	158
23905	Virgo	7	39 19,15	3,127	103 59 9,4	19,765	332
23906	Virgo	8	39 20,56	3,059	87 25 53,9	19,765	231
23907	Virgo	7½	39 22,56	3,093	95 47 14,4	19,764	153
23908	Canes Venatici.	8	39 22,67	2,910	55 7 32,9	19,764	60
23909	Canes Venatici.	8	39 23,24	2,909	54 57 31,1	19,764	328
23910	Virgo	8½	39 25,23	3,050	85 5 17,8	19,763	230
23911	Virgo	8½	39 25,23	3,050	85 5 12,8	19,763	230
23912	Virgo	8	39 29,27	3,027	79 32 1,8	19,762	224
23913	Coma	6	39 31,51	2,944	61 21 16,7	19,762	565
23914	Hydra	8½	39 31,53	3,175	114 44 53,0	19,762	565
23915	Coma	6	39 31,75	2,944	61 21 20,0	19,762	63
23916	Coma	6	39 31,96	2,944	61 21 18,1	19,762	64
23917	Virgo	7½	39 32,91	3,060	87 40 50,4	19,762	231
23918	Virgo	9	39 38,27	3,123	102 58 39,4	19,760	157
23919	Canes Venatici.	8	39 39,01	2,900	53 35 3,4	19,760	60
23920	Canes Venatici.	7½	12 39 39,31	+2,900	53 35 6,7	+19,760	328

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23921	Coma	9	12 39 44.48	+2,950	62 40 53.2	+19,759	64
23922	Virgo	7	39 47.28	3,096	96 32 22.6	19,758	153
23923	Virgo	8	39 49.73	3,063	88 14 19.5	19,757	231
23924	Coma	9	39 50.04	2,988	70 33 50.7	19,757	71
23925	Coma	9	39 56.38	2,972	67 16 0.6	19,756	68
23926	Coma .....	.	39 59.99	2,949	62 28 30.3	19,755	64
23927	Virgo	8	40 2.29	3,119	101 56 31.3	19,754	157
23928	Canes Venatici.	8	40 7.50	2,851	46 49 50.1	19,753	7
23929	Canes Venatici.	8	40 8.03	2,850	46 41 13.9	19,753	7
23930	Canes Venatici.	8½	40 9.50	2,878	50 32 22.6	19,753	58
23931	Virgo	7½	40 11.97	3,040	82 40 44.3	19,751	287
23932	Coma	9	40 18.18	2,990	71 15 10.9	19,750	71
23933	Virgo	9½	40 19.43	3,013	76 28 12.1	19,750	149
23934	Virgo	9	40 21.62	3,097	96 32 34.5	19,749	153
23935	Coma	6	40 23.88	2,965	66 2 29.2	19,749	67
23936	Virgo	9	40 28.86	3,032	80 48 48.8	19,747	224
23937	Canes Venatici.	8	40 29.03	2,848	46 41 13.0	19,747	7
23938	Virgo	8½	40 29.29	3,068	89 39 10.3	19,747	333
23939	Virgo	9	40 31.50	3,012	76 20 38.9	19,747	149
23940*	Corvus	8	40 32.21	3,138	106 14 27.1	19,746	232
23941	Virgo .....	.	40 35.86	3,090	94 58 0.4	19,746	151
23942	Canes Venatici.	6	40 38.87	2,881	51 23 28.3	19,745	58
23943	Virgo	8	40 39.39	3,051	85 23 16.2	19,745	230
23944	Canes Venatici.	6	40 39.64	2,881	51 23 29.8	19,745	57
23945	Canes Venatici.	8½	40 42.79	2,893	53 10 50.2	19,744	328
23946	Virgo	8½	40 44.45	3,031	80 48 23.8	19,743	224
23947	Virgo	9	40 57.69	3,130	104 14 46.8	19,740	158
23948	Virgo	7½	40 59.38	3,108	99 14 49.7	19,740	335
23949	Virgo	8	40 59.72	3,108	99 14 49.5	19,739	154
23950	Virgo	9	41 0.64	3,034	81 27 58.5	19,739	287
23951	Virgo	8	41 2.38	3,122	102 22 49.0	19,739	157
23952	Virgo	8	41 2.60	3,097	96 32 25.5	19,739	156
23953	Virgo	9½	41 7.78	3,109	99 14 44.0	19,737	156
23954	Virgo	7½	41 14.22	3,030	80 41 48.6	19,736	224
23955	Coma	7	41 18.43	2,981	69 44 49.7	19,735	71
23956	Canes Venatici.	8	41 19.63	2,916	57 25 48.7	19,734	59
23957	Canes Venatici.	8	41 20.05	2,916	57 25 49.0	19,734	69
23958	Virgo	8½	41 20.39	3,091	95 3 28.7	19,734	151
23959	Virgo	8½	41 21.42	3,012	76 32 9.1	19,734	149
23960	Corvus	9	12 41 22.21	+3,147	107 51 8.0	+19,734	233

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23961	Coma	9	12 41 25.40	+3.001	74 2 58.6	+19.733	73
23962	Virgo	9½	41 25.76	3.125	102 57 59.4	19.733	157
23963	Virgo	9	41 25.77	3.063	88 24 43.8	19.732	231
23964	Virgo	6	41 26.06	3.052	85 51 10.1	19.732	230
23965	Canes Venatici.	9	41 33.96	2.878	51 31 20.8	19.731	57
23966	Coma .....	.	41 35.29	2.931	60 2 21.6	19.730	63
23967	Virgo	7½	41 36.85	3.065	88 49 12.6	19.730	231
23968	Virgo	9½	41 42.50	3.125	102 56 44.2	19.728	157
23969	Virgo .....	.	41 48.13	3.031	81 0 5.1	19.727	224
23970	Coma	8	41 49.91	2.980	69 45 49.6	19.726	71
23971	Coma	9	41 52.26	2.948	63 22 50.2	19.726	65
23972	Virgo	8	41 52.83	3.091	94 59 44.4	19.726	151
23973	Coma	5	41 56.02	2.937	61 22 2.8	19.725	63
23974	Coma	4½	41 56.41	2.937	61 22 3.8	19.725	64
23975	Virgo	7½	41 57.64	3.069	89 50 9.6	19.724	333
23976	Corvus	8	41 57.75	3.168	112 2 43.8	19.724	235
23977	Coma	8	41 59.90	2.980	69 44 27.6	19.724	71
23978	Coma	7½	42 0.42	2.980	69 44 12.6	19.723	71
23979	Canes Venatici.	8	42 2.03	2.838	46 31 6.7	19.723	7
23980	Coma	7½	42 6.33	2.946	63 14 1.1	19.722	65
23981	Coma	8	42 6.74	2.946	63 14 0.6	19.722	64
23982	Coma	9	42 7.64	2.975	68 44 14.0	19.722	68
23983	Virgo	6½	42 14.01	3.008	75 50 11.6	19.720	71
23984	Coma	7	42 14.94	2.989	71 48 1.1	19.720	228
23985	Coma	9	42 20.20	2.932	60 46 46.1	19.718	565
23986*	Virgo	9	42 21.30	3.102	97 36 35.2	19.718	154
23987	Virgo	7	42 21.86	3.057	86 57 59.1	19.718	230
23988	Coma	8	42 23.95	2.947	63 32 5.4	19.717	65
23989	Coma	7	42 24.88	2.989	71 47 54.2	19.717	71
23990	Coma	7	42 24.91	2.989	71 50 10.1	19.717	228
23991	Virgo	8	42 29.53	3.129	103 31 45.4	19.716	158
23992	Coma	7	42 29.83	2.993	72 47 11.3	19.716	71
23993	Virgo	8	42 30.94	3.129	103 31 46.1	19.715	332
23994	Canes Venatici.	8	42 31.44	2.853	48 40 1.9	19.715	9
23995	Corvus	9	42 38.51	3.147	107 23 13.9	19.713	233
23996	Virgo	8	42 39.60	3.131	103 52 35.0	19.713	158
23997	Virgo	9	42 40.19	3.123	102 13 3.2	19.713	157
23998	Virgo	8	42 40.37	3.056	86 47 34.8	19.713	230
23999	Virgo	7	42 40.91	3.131	103 52 36.7	19.712	332
24000	Coma	8½	12 42 41.25	+2.927	60 4 11.4	+19.712	63

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24001	Corvus	8	12 42 41.55	+3,141	106 6 34.5	+19,712	232
24002	Canes Venatici.	8	42 43.53	2,832	46 15 21.3	19,712	7
24003	Virgo	9	42 53.27	3,063	88 27 54.8	19,709	231
24004	Canes Venatici.	9	42 53.47	2,896	55 4 27.5	19,709	60
24005	Virgo	6	42 57.45	3,080	92 27 46.3	19,708	155
24006	Coma	8	42 59.62	2,998	73 52 54.3	19,707	73
24007	Corvus	9	43 5.22	3,171	112 1 11.5	19,706	235
24008	Canes Venatici.	9	43 6.68	2,793	42 8 2.7	19,706	385
24009	Virgo	8	43 8.91	3,009	76 26 31.7	19,705	149
24010	Virgo	8	43 13.42	3,126	102 33 34.6	19,704	157
24011	Virgo	7	43 13.73	3,105	97 58 24.4	19,704	154
24012	Virgo	8	43 13.90	3,105	97 58 20.4	19,704	156
24013	Virgo	7	43 14.01	3,105	97 58 18.5	19,704	153
24014	Coma	8	43 19.56	2,937	62 6 37.3	19,702	64
24015	Virgo	7	43 20.23	3,083	93 7 54.5	19,702	151
24016	Virgo	7	43 20.34	3,083	93 7 53.9	19,702	155
24017	Hydra	8½	43 20.47	3,185	114 39 50.0	19,702	565
24018	Coma	4½	43 26.29	2,966	67 39 56.2	19,700	223
24019	Coma	4½	43 26.29	2,966	67 39 49.7	19,700	68
24020	Corvus	9	43 26.80	3,146	106 56 39.0	19,700	232
24021	Corvus	7½	43 28.30	3,147	106 56 56.0	19,700	232
24022	Coma	8	43 28.83	2,945	63 45 58.6	19,700	65
24023	Virgo	7½	43 30.21	3,046	84 40 10.5	19,699	230
24024	Coma	8	43 31.29	2,923	59 55 8.3	19,699	63
24025	Coma	8	43 32.21	2,923	59 55 5.0	19,699	565
24026	Canes Venatici.	8½	43 32.39	2,910	56 37 37.6	19,699	59
24027	Coma	7	43 39.98	2,975	69 25 9.2	19,696	71
24028	Virgo	8½	43 46.50	3,128	102 53 47.9	19,695	157
24029	Virgo	6	43 46.93	3,009	76 29 24.5	19,695	331
24030	Virgo	6	43 47.44	3,009	76 29 23.8	19,694	149
24031	Virgo	8	43 50.31	3,035	82 9 12.3	19,694	287
24032	Canes Venatici.	9	43 51.96	2,892	55 0 19.3	19,693	60
24033	Coma	7	43 54.16	2,976	69 51 17.6	19,692	71
24034	Virgo	5½	43 54.80	3,117	100 33 39.3	19,692	335
24035	Virgo.....ψ	6	43 58.01	3,108	98 26 58.0	19,692	156
24036	Virgo.....ψ	5	43 58.30	3,108	98 26 54.8	19,692	154
24037	Virgo.....ψ	5	43 58.37	3,108	98 26 53.8	19,692	153
24038	Canes Venatici.	9	44 4.40	2,862	50 56 14.5	19,690	58
24039	Canes Venatici.	7	44 6.26	2,788	42 15 10.7	19,689	385
24040	Virgo	8½	12 44 6.90	+3,009	76 34 43.8	+19,689	149

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24041	Coma	7	12 44 10,56	+2,934	62 7 50,3	+19,688	64
24042	Virgo	9	44 10,64	3,037	82 43 47,2	19,688	287
24043	Hydra	8	44 11,23	3,186	114 20 4,4	19,688	565
24044	Canes Venatici.	8	44 11,65	2,878	53 10 13,1	19,688	57
24045	Coma	9	44 12,15	2,984	71 31 42,8	19,688	71
24046	Canes Venatici.	.	44 12,47	2,899	56 24 7,3	19,687	59
24047	Virgo	8½	44 23,41	3,012	77 25 56,9	19,684	331
24048	Hydra	6½	44 30,25	3,184	113 52 2,2	19,683	565
24049	Canes Venatici.	8	44 30,29	2,830	47 5 25,4	19,682	9
24050	Hydra	7½	44 30,31	3,184	113 52 0,4	19,682	235
24051	Canes Venatici.	8½	44 31,27	2,830	47 5 36,8	19,682	7
24052	Canes Venatici.	9	44 35,93	2,867	51 55 26,9	19,681	57
24053	Virgo	9	44 37,11	3,107	98 5 16,7	19,681	154
24054	Canes Venatici.	7	44 38,59	2,891	55 22 45,6	19,680	60
24055	Virgo	7½	44 39,81	3,126	102 21 53,7	19,680	157
24056	Coma	7	44 48,33	2,958	66 48 7,7	19,677	67
24057*	Virgo	8	44 57,98	3,081	92 27 52,3	19,674	155
24058	Virgo	6½	45 0,07	3,051	85 51 49,8	19,674	230
24059	Ursa Major... 8	3	45 10,62	2,666	32 57 2,4	19,671	354
24060	Coma	7	45 13,17	2,971	69 17 40,3	19,670	68
24061	Coma	7	45 13,18	2,971	69 17 39,8	19,670	71
24062	Coma	9	45 13,39	2,924	60 55 6,9	19,670	63
24063	Canes Venatici.	7	45 16,57	2,780	42 7 54,4	19,669	385
24064	Coma	8	45 20,69	2,922	60 40 36,7	19,668	63
24065	Coma	8	45 20,74	2,922	60 40 40,7	19,668	565
24066	Virgo	6	45 22,46	3,136	104 14 23,5	19,668	158
24067	Virgo	8½	45 22,58	3,128	102 31 35,4	19,668	157
24068	Virgo	7	45 23,57	3,136	104 14 21,9	19,668	160
24069	Virgo	6	45 23,59	3,136	104 14 24,4	19,668	332
24070	Canes Venatici.	9½	45 24,37	2,858	51 7 56,1	19,667	57
24071	Coma	8	45 24,59	2,925	61 8 27,2	19,667	63
24072	Virgo	6½	45 24,99	3,064	88 51 23,2	19,667	333
24073	Virgo	7	45 25,19	3,064	88 51 19,5	19,667	231
24074	Coma	9	45 27,52	2,969	69 9 9,7	19,666	71
24075	Virgo	6½	45 28,91	3,011	77 25 3,9	19,666	331
24076	Corvus	7	45 29,40	3,161	109 7 33,8	19,666	233
24077	Coma	9	45 29,43	2,969	69 9 5,1	19,666	68
24078	Virgo δ	3	45 32,23	3,049	85 30 45,3	19,665	287
24079	Virgo δ	3	45 32,36	3,049	85 30 43,2	19,665	231
24080	Virgo	8	12 45 35,79	+3,146	105 48 16,6	+19,664	232

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24081	Canes Venatici.	8	12 45 37.40	+2,892	56 2 41.8	+19,663	59
24082	Corvus	7½	45 39.27	3,158	108 32 41.1	19,663	233
24083	Coma	8½	45 41.77	2,936	63 10 0.1	19,662	64
24084	Coma	8	45 42.00	2,936	63 10 5.6	19,662	65
24085	Canes Venatici.	5	45 46.39	2,772	41 42 47.8	19,661	385
24086	Coma	8½	45 47.99	2,935	63 11 15.7	19,660	65
24087	Canes Venatici.	8	45 48.20	2,896	56 50 26.6	19,660	59
24088	Coma	9	45 49.29	2,934	63 1 13.0	19,660	64
24089	Canes Venatici.	9	45 53.23	2,800	44 37 12.1	19,659	385
24090	Virgo	8	45 56.20	3,135	103 51 39.7	19,658	158
24091	Virgo	8	45 57.37	3,135	103 51 34.2	19,658	160
24092	Virgo	7	45 57.79	3,135	103 51 38.5	19,658	332
24093	Hydra	8	46 2.12	3,185	113 21 46.4	19,656	565
24094	Coma	9	46 4.08	2,989	73 6 2.4	19,656	71
24095	Coma	-	46 4.81	2,989	73 6 3.1	19,655	73
24096	Virgo	9	46 6.93	3,144	105 38 26.7	19,655	232
24097	Canes Venatici.	7	46 8.47	2,895	56 54 39.6	19,654	59
24098	Virgo	6½	46 11.40	3,069	89 51 45.4	19,654	333
24099	Virgo	7	46 16.41	3,121	100 51 37.2	19,652	335
24100	Virgo	9	46 16.51	3,121	100 51 23.4	19,652	156
24101	Virgo	9	46 17.70	3,137	104 1 15.4	19,652	158
24102	Virgo	9	46 18.23	3,137	104 1 16.9	19,651	160
24103	Virgo	8½	46 18.75	3,137	104 1 23.3	19,651	332
24104	Hydra	8½	46 22.10	3,186	113 28 9.7	19,650	565
24105	Virgo	8½	46 27.23	3,069	89 45 38.2	19,649	333
24106	Virgo	7½	46 31.62	3,020	79 35 48.4	19,648	224
24107	Virgo	8	46 32.25	3,021	79 45 24.7	19,647	224
24108	Corvus	7½	46 32.79	3,174	111 5 10.0	19,647	235
24109	Corvus	7½	46 32.93	3,174	111 5 6.5	19,647	234
24110	Coma	9	46 33.75	2,909	59 17 10.1	19,647	69
24111	Canes Venatici.	8	46 37.78	2,848	50 36 11.9	19,646	58
24112	Canes Venatici.	2½	46 38.88	2,848	50 35 54.9	19,645	58
24113	Coma	9½	46 41.17	2,960	67 53 28.6	19,645	68
24114	Virgo	7½	46 42.81	3,014	78 24 13.2	19,644	331
24115	Canes Venatici.	8½	46 43.28	2,890	56 23 4.1	19,644	59
24116	Virgo	6	46 45.79	3,122	100 58 48.6	19,644	335
24117	Virgo	7½	46 46.28	3,122	100 58 54.9	19,643	156
24118	Hydra	6½	46 55.07	3,178	111 40 4.2	19,641	235
24119	Virgo	7½	46 55.26	3,107	97 49 29.7	19,640	154
24120	Corvus	8	12 47 0.31	+3,162	108 39 56.9	+19,639	233

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24121	Virgo	8	12 47 3.47	+3,111	98 40 7.4	+19,638	154
24122	Virgo	8	47 4.45	3,149	106 18 22.4	19,638	232
24123	Coma	9	47 7.85	2,919	61 6 20.9	19,637	63
24124	Virgo	9	47 8.12	3,009	77 29 24.9	19,637	149
24125	Virgo	8	47 10.18	3,126	101 43 33.1	19,636	157
24126	Virgo	7	47 15.60	3,058	87 29 7.6	19,635	231
24127	Virgo	9	47 19.54	3,095	95 18 25.6	19,633	153
24128	Canes Venatici.	6	47 21.94	2,798	45 16 42.9	19,633	7
24129	Virgo	8½	47 22.32	3,128	102 2 55.4	19,633	157
24130	Hydra	6½	47 31.88	3,181	111 58 12.9	19,630	235
24131	Virgo	8½	47 33.42	3,099	96 3 20.9	19,629	153
24132	Canes Venatici.	8	47 33.95	2,777	43 18 12.4	19,629	385
24133	Virgo	7½	47 34.13	3,138	103 53 57.9	19,629	158
24134	Virgo	8	47 34.89	3,138	103 53 59.3	19,629	160
24135	Virgo	7	47 35.80	3,138	103 53 57.8	19,629	332
24136	Hydra	8	47 36.50	3,193	114 4 51.4	19,628	565
24137	Virgo	8½	47 38.32	3,147	105 41 7.0	19,628	232
24138	Corvus	8	47 39.60	3,166	109 17 48.8	19,627	234
24139	Corvus	8	47 39.94	3,166	109 17 43.8	19,627	233
24140	Coma	8½	47 42.97	2,935	63 57 42.2	19,627	65
24141	Coma	8½	47 45.97	2,900	58 32 40.3	19,625	69
24142	Virgo	7	47 48.43	3,019	79 34 24.3	19,625	224
24143	Virgo	8	47 54.44	3,151	106 14 44.0	19,623	232
24144	Canes Venatici.	5	47 58.41	2,769	42 43 58.5	19,622	385
24145	Coma	9	48 1.21	2,928	62 58 40.7	19,621	64
24146	Virgo	8	48 3.69	3,126	101 25 42.8	19,620	157
24147	Virgo	9½	48 6.37	3,094	94 57 34.1	19,619	151
24148	Coma	8	48 11.94	2,975	71 8 54.6	19,618	71
24149	Coma	8	48 12.17	2,974	71 8 51.0	19,617	71
24150	Virgo	8	48 12.89	3,069	89 58 2.6	19,617	333
24151	Virgo	8	48 14.58	3,098	95 51 51.1	19,617	153
24152	Canes Venatici.	8	48 15.07	2,791	45 5 4.6	19,616	7
24153	Virgo	8½	48 15.10	3,016	79 9 31.2	19,616	331
24154	Corvus	7	48 19.20	3,174	110 27 38.6	19,616	234
24155	Virgo	7	48 22.35	3,079	91 49 4.5	19,614	155
24156	Canes Venatici.	9	48 24.18	2,852	52 11 17.7	19,614	57
24157	Virgo	9½	48 31.38	3,002	76 31 8.4	19,611	149
24158	Virgo	9	48 35.16	3,074	90 51 23.5	19,611	333
24159	Virgo	8½	48 35.27	3,062	88 32 30.7	19,611	231
24160	Virgo	8	12 48 37.41	+3,107	97 39 7.1	+19,610	154

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24161	Virgo	7½	12 48 39.86	+3,094	95° 0' 20.1	+19,609	151
24162	Coma	8	48 42.05	2,977	71 43 51.6	19,608	72
24163	Virgo	8½	48 43.62	3,023	80 42 28.1	19,608	224
24164	Virgo	7½	48 44.21	3,075	90 59 37.7	19,608	333
24165	Coma	8½	48 45.19	2,926	62 59 40.7	19,607	64
24166	Virgo	8	48 47.48	3,039	83 48 45.7	19,607	230
24167	Corvus	8½	48 47.94	3,178	111 2 35.9	19,607	234
24168	Virgo	8	48 48.10	3,113	98 45 40.6	19,606	154
24169	Coma	6½	48 51.26	2,949	66 51 33.5	19,606	67
24170	Virgo	8½	48 53.71	3,148	105 26 56.9	19,605	158
24171	Virgo	8½	48 54.48	3,148	105 26 59.3	19,605	160
24172	Coma	7	48 54.50	2,910	60 35 46.2	19,604	63
24173	Coma	6½	48 54.67	2,910	60 35 42.4	19,604	565
24174	Virgo	8	48 54.77	3,148	105 26 57.6	19,604	232
24175	Coma	8½	48 57.55	2,947	66 33 58.0	19,603	57
24176	Coma	5½	49 1.33	2,975	71 30 30.9	19,602	71
24177	Coma	8½	49 1.44	2,917	61 47 49.5	19,602	64
24178	Coma	5	49 1.59	2,975	71 30 31.3	19,602	72
24179	Virgo	8½	49 4.43	3,089	93 49 23.9	19,602	151
24180	Virgo	8	49 4.92	3,025	81 0 55.6	19,601	224
24181	Virgo	8	49 10.11	3,014	78 54 45.8	19,600	331
24182	Coma	8½	49 12.69	2,988	74 0 28.0	19,599	73
24183*	Corvus	7½	49 12.89	3,169	109 12 26.1	19,599	233
24184	Virgo	7½	49 13.85	3,032	82 24 39.4	19,598	287
24185	Virgo k	6	49 21.93	3,083	92 43 44.6	19,596	155
24186	Virgo	7½	49 22.28	3,010	78 15 0.8	19,596	331
24187	Virgo k	5½	49 22.45	3,083	92 43 42.2	19,596	335
24188	Virgo	8½	49 25.17	3,136	103 6 24.1	19,595	158
24189	Virgo	8½	49 27.56	3,136	103 6 21.5	19,594	157
24190	Canes Venatici.	8	49 28.34	2,864	54 22 19.2	19,594	60
24191	Coma	9	49 30.96	2,988	74 10 55.1	19,593	73
24192	Hydra	7½	49 31.34	3,190	112 49 50.7	19,593	235
24193	Virgo	8½	49 40.40	3,065	89 8 42.7	19,590	231
24194	Virgo	8	49 51.28	3,063	88 36 30.7	19,587	231
24195	Virgo	7½	49 51.67	3,070	90 6 15.8	19,587	333
24196	Coma	7½	49 51.76	2,909	60 51 3.5	19,587	565
24197	Coma	7	49 52.33	2,909	60 51 1.4	19,587	63
24198	Coma	8½	49 54.73	2,907	60 40 45.4	19,587	565
24199	Coma	8	49 54.86	2,907	60 40 38.2	19,586	63
24200	Virgo	8	12 49 55.90	+3,135	102 48 44.3	+19,585	157

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24201	Canes Venatici.	9	12 49 59.12	+2,836	51° 5' 58.4	+19,584	57
24202	Virgo	9	50 1,95	3,034	82 55 39.1	19,583	287
24203	Canes Venatici.	9	50 3,51	2,862	54 20 50.0	19,583	60
24204	Virgo	8	50 5,88	3,110	98 0 57.1	19,582	154
24205	Virgo	9	50 15,34	3,058	87 40 6,8	19,579	231
24206	Virgo	6	50 18,47	3,081	92 17 25,5	19,578	155
24207	Corvus	8	50 19,56	3,177	110 15 42,0	19,578	234
24208	Coma	9	50 20,70	2,935	65 7 15,1	19,578	65
24209	Virgo	7	50 20,85	3,046	85 18 55,4	19,577	231
24210	Canes Venatici.	8	50 23,69	2,876	56 26 28,7	19,577	59
24211	Coma	8	50 26,33	2,948	67 21 55,7	19,576	68
24212	Canes Venatici.	7½	50 30,42	2,879	56 50 12,5	19,575	69
24213	Canes Venatici.	7½	50 30,65	2,879	56 50 12,0	19,575	59
24214	Corvus	7½	50 35,29	3,174	109 41 42,7	19,573	234
24215	Coma	4½	50 41,65	2,887	58 7 59,5	19,571	69
24216	Coma	•	50 42,49	2,887	58 7 57,9	19,570	565
24217	Canes Venatici.	8	50 42,56	2,856	53 55 7,5	19,570	60
24218	Virgo	9½	50 44,20	3,147	104 42 44,4	19,570	158
24219	Coma	6½	50 49,17	2,966	70 32 55,7	19,568	71
24220	Coma	8	50 49,43	2,934	65 15 56,4	19,568	67
24221	Coma	8	50 49,84	2,934	65 15 55,3	19,568	65
24222	Canes Venatici.	7	50 51,12	2,880	57 8 17,6	19,568	69
24223	Canes Venatici.	6½	50 51,50	2,880	57 8 22,4	19,568	59
24224	Coma	7½	50 52,56	2,905	60 51 6,8	19,567	62
24225	Hydra	6½	50 52,59	3,198	113 35 2,8	19,567	565
24226	Coma	8½	50 54,99	2,904	60 40 45,6	19,566	62
24227	Virgo	8	50 57,01	3,122	100 4 26,0	19,566	335
24228	Virgo	9	50 58,14	3,019	80 19 59,3	19,565	224
24229	Canes Venatici.	8½	51 2,17	2,808	48 26 30,6	19,564	7
24230	Canes Venatici.	9	51 5,55	2,832	51 12 7,4	19,563	57
24231	Canes Venatici.	8	51 7,87	2,794	46 59 14,8	19,562	7
24232	Virgo	8	51 10,28	3,152	105 30 0,1	19,561	158
24233	Virgo	8½	51 15,46	3,114	98 33 31,9	19,560	154
24234	Coma	6½	51 15,77	2,972	71 47 42,4	19,560	72
24235	Corvus	8½	51 15,83	3,170	108 41 27,8	19,560	233
24236	Virgo	8	51 18,30	3,056	87 23 49,2	19,559	231
24237	Coma	7½	51 18,50	2,929	64 36 2,6	19,559	65
24238	Virgo	7½	51 21,09	3,005	77 47 50,0	19,558	331
24239	Virgo	8	51 26,26	2,994	75 45 9,0	19,556	149
24240	Virgo	9	12 51 26,77	+3,137	102 44 24,9	+19,556	157

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24241	Virgo	8	12 51 30.09	+3.027	81 54 19.8	+19.555	287
24242	Virgo	7	51 46.09	3.128	101 1 52.5	19.550	335
24243	Coma	7½	51 46.25	2.947	67 38 54.8	19.550	58
24244	Virgo	8½	51 46.56	3.128	101 1 49.7	19.550	156
24245	Virgo	8	51 49.72	3.062	88 30 49.3	19.549	231
24246	Canes Venatici.	8	51 57.76	2.825	50 52 17.6	19.546	58
24247	Canes Venatici.	7½	51 58.97	2.825	50 52 20.9	19.546	57
24248	Virgo	9	52 3.59	3.025	81 38 33.0	19.544	287
24249	Virgo	8½	52 4.42	3.061	88 21 50.0	19.544	231
24250	Virgo	3	52 13.12	3.005	77 57 43.1	19.541	331
24251	Virgo	3	52 13.45	3.005	77 57 43.1	19.541	149
24252	Virgo	3	52 13.51	3.005	77 57 45.4	19.541	224
24253	Virgo	7½	52 22.83	3.155	105 48 8.3	19.538	158
24254	Virgo	8	52 23.06	2.989	75 4 11.8	19.538	73
24255	Virgo	7½	52 24.27	3.155	105 48 6.2	19.537	232
24256	Virgo	8½	52 24.84	3.142	103 30 20.9	19.537	157
24257	Virgo	9	52 26.41	3.099	95 26 27.6	19.537	153
24258	Virgo	8	52 26.70	3.168	107 59 48.4	19.537	233
24259	Virgo	9	52 26.92	3.112	97 55 14.7	19.537	154
24260	Coma	9	52 28.28	2.894	59 55 47.8	19.536	62
24261	Coma	8½	52 29.08	2.894	59 55 42.5	19.536	565
24262	Coma	9½	52 33.63	2.977	73 2 25.7	19.534	72
24263	Coma	9	52 35.87	2.976	72 52 46.4	19.534	72
24264	Virgo	9	52 41.93	3.081	92 4 35.7	19.532	155
24265	Coma	7	52 46.04	2.930	65 25 19.2	19.530	65
24266	Virgo	9	52 47.27	3.153	105 12 5.6	19.530	158
24267	Virgo	9	52 47.44	3.153	105 12 3.0	19.530	160
24268	Coma	8	52 47.46	2.883	58 33 53.7	19.530	69
24269	Coma	8	52 48.67	2.934	65 58 19.0	19.529	67
24270	Virgo	8½	52 52.67	3.026	81 55 41.4	19.528	287
24271	Canes Venatici.	8	53 0.34	2.826	51 34 21.5	19.525	57
24272	Canes Venatici.	9	53 1.68	2.813	50 5 56.6	19.525	58
24273	Canes Venatici.	9	53 1.96	2.813	50 2 19.5	19.525	58
24274	Virgo	8	53 2.04	3.098	95 21 13.3	19.525	153
24275	Corvus	5½	53 4.55	3.178	109 30 21.3	19.524	234
24276	Coma	9	53 4.81	2.882	58 37 30.7	19.524	69
24277	Corvus	5½	53 5.14	3.178	109 30 22.9	19.524	233
24278	Canes Venatici.	8	53 5.62	2.866	56 29 24.4	19.524	60
24279	Virgo	8	53 6.45	3.153	105 15 22.2	19.523	160
24280	Virgo	9	12 53 6.73	+3.137	102 18 3.0	+19.523	157

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24281	Virgo	8	12	53	6,80	+3,153	105	15	20,8	+19,523	158
24282	Hydra	8		53	6,87	3,211	114	43	30,6	19,523	565
24283	Virgo	7½		53	10,01	3,127	100	29	55,4	19,522	336
24284	Virgo	9½		53	10,47	3,127	100	29	57,7	19,522	156
24285	Coma	9		53	10,61	2,960	70	17	44,3	19,522	71
24286	Hydra	8		53	11,78	3,203	113	26	21,0	19,521	235
24287	Coma	6½		53	14,38	2,928	65	17	53,2	19,521	67
24288	Coma	7		53	17,74	2,931	65	43	7,6	19,520	67
24289	Coma	7		53	18,43	2,931	65	43	10,4	19,519	65
24290	Coma	7		53	24,59	2,926	65	5	40,0	19,517	67
24291	Coma	7		53	27,15	2,926	65	5	40,8	19,516	65
24292	Virgo	8½		53	27,32	2,998	76	56	23,6	19,516	149
24293	Virgo	8		53	32,39	3,092	94	4	16,3	19,515	151
24294	Virgo	7½		53	35,97	3,081	92	8	20,9	19,513	155
24295	Virgo	6½		53	36,60	3,084	92	34	57,0	19,513	155
24296	Canes Venatici.	8		53	39,61	2,743	43	32	18,6	19,512	385
24297	Coma	9		53	48,85	2,912	63	7	24,2	19,509	64
24298	Virgo	8½		53	54,62	3,112	97	39	28,8	19,507	154
24299	Virgo	7		53	59,31	3,002	77	41	28,6	19,506	331
24300	Coma	9½		53	59,72	2,899	61	19	45,5	19,505	64
24301	Coma	9½		54	1,47	2,893	60	28	8,1	19,505	62
24302	Virgo	9		54	5,28	3,001	77	37	3,5	19,503	331
24303	Coma	9		54	8,67	2,973	72	47	31,2	19,503	72
24304	Hydra	8		54	12,24	3,186	110	26	38,2	19,501	234
24305	Virgo	8		54	23,24	3,111	97	29	31,3	19,497	154
24306	Virgo	7		54	23,83	3,068	89	39	1,5	19,497	333
24307	Virgo	8		54	26,55	3,163	106	35	40,5	19,496	232
24308	Virgo	8		54	27,26	3,016	80	16	4,9	19,496	224
24309	Virgo	7		54	32,22	3,062	88	37	16,3	19,494	231
24310	Coma	9½		54	39,26	2,878	58	42	13,6	19,492	69
24311	Virgo	9		54	41,66	3,135	101	42	18,5	19,491	157
24312	Virgo	8		54	42,38	3,011	79	28	18,5	19,491	224
24313	Canes Venatici.	6		54	44,24	2,763	45	54	54,4	19,490	7
24314	Hydra	7½		54	53,96	3,191	110	59	35,3	19,487	234
24315	Virgo	9		54	58,08	3,109	97	4	18,2	19,485	153
24316	Coma	9		55	1,84	2,971	72	50	37,2	19,484	72
24317	Virgo	8½		55	4,31	3,098	95	8	48,1	19,483	151
24318	Virgo	8		55	5,40	3,098	95	8	50,6	19,483	153
24319	Virgo	9		55	5,77	3,136	101	42	50,5	19,483	157
24320	Virgo	7½	12	55	9,57	+3,168	107	11	1,0	+19,481	233

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24321	Virgo	8	12 55 10.74	+3,078	91 28 52.3	+19,481	155
24322	Virgo	8½	55 13.52	3,133	101 17 36.2	19,480	336
24323	Canes Venatici.	8	55 13.60	2,798	49 36 0.7	19,480	58
24324	Canes Venatici.	8	55 23.65	2,797	49 35 55.8	19,476	9
24325	Virgo	9	55 26.00	3,005	78 32 9.8	19,476	331
24326	Virgo	8½	55 27.02	3,005	78 40 5.0	19,475	331
24327	Virgo	7	55 29.04	3,169	107 10 57.7	19,475	232
24328	Virgo	9	55 32.51	3,113	97 36 51.6	19,473	154
24329	Virgo	7½	55 35.14	3,041	84 49 41.9	19,472	230
24330	Coma	8	55 35.17	2,979	74 11 55.5	19,472	73
24331	Coma	8½	55 36.51	2,970	72 48 57.1	19,472	72
24332	Canes Venatici.	9	55 37.72	2,815	51 38 56.3	19,472	57
24333	Virgo	7½	55 37.89	2,988	75 41 56.5	19,472	149
24334	Virgo	8	55 38.21	3,023	81 46 42.9	19,472	287
24335	Virgo	8	55 47.79	3,174	107 52 27.4	19,468	233
24336	Virgo	9	55 48.12	3,111	97 20 47.7	19,468	154
24337	Virgo	8	55 54.50	3,149	103 50 30.6	19,466	160
24338	Canes Venatici.	9	55 55.13	2,816	51 51 11.2	19,465	57
24339	Virgo	8	55 55.86	3,088	93 13 53.3	19,465	155
24340	Coma	7½	56 2.25	2,900	62 20 22.1	19,463	64
24341	Virgo	8	56 4.49	3,041	84 58 37.2	19,462	230
24342	Coma	8½	56 4.90	2,977	74 4 53.2	19,462	73
24343	Coma	8½	56 5.11	2,919	65 4 37.5	19,462	65
24344	Virgo	8	56 9.87	3,088	93 15 55.4	19,460	155
24345	Virgo	8½	56 16.40	2,985	75 29 1.0	19,458	149
24346	Canes Venatici.	5½	56 21.82	2,816	52 7 36.4	19,456	57
24347	Canes Venatici.	6	56 22.64	2,825	53 7 39.1	19,456	60
24348	Hydra	8	56 24.35	3,182	109 4 2.0	19,455	233
24349	Virgo	10	56 26.60	3,105	96 8 4.3	19,454	153
24350	Canes Venatici.	8	56 32.82	2,789	49 19 25.4	19,452	58
24351	Canes Venatici.	7½	56 33.25	2,789	49 19 18.5	19,452	9
24352	Virgo	•	56 34.43	3,110	96 57 49.7	19,451	153
24353	Coma	5½	56 35.90	2,936	67 46 9.3	19,451	68
24354*	Coma	6	56 37.02	2,880	59 53 44.2	19,451	62
24355	Coma	6	56 37.42	2,928	66 38 47.3	19,451	67
24356	Coma	6½	56 37.60	2,880	59 53 42.1	19,451	565
24357	Coma	5	56 37.67	2,926	66 18 24.9	19,451	67
24358	Virgo	8½	56 38.15	3,074	90 49 51.0	19,450	333
24359	Canes Venatici.	6	56 50.27	2,726	43 39 34.2	19,446	352
24360	Virgo	8	12 56 50.43	+3,098	95 0 24.5	+19,446	151

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24361*	Canes Venatici.	5½	12 56 51.05	+2,725	43 39 34.1	+19.445	385
24362	Canes Venatici.	8	57 1,50	2,774	48 0 12.3	19.442	9
24363	Virgo	8	57 9.61	3,147	103 6 53.1	19.439	157
24364	Canes Venatici.	8½	57 10.50	2,838	54 54 24.5	19.438	60
24365	Canes Venatici.	8	57 11.68	2,838	54 54 26.2	19.438	60
24366	Virgo	8	57 12.38	3,170	106 55 52.2	19.438	232
24367	Virgo	8	57 13.28	3,177	107 57 45.9	19.437	233
24368	Virgo	9	57 14.89	2,997	77 38 55.3	19.437	331
24369	Virgo	8	57 21.09	3,041	84 59 9.0	19.435	336
24370	Virgo	8	57 21.49	3,041	84 59 9.2	19.434	230
24371	Virgo	7	57 21.60	3,042	85 9 12.5	19.434	231
24372	Hydra	8	57 22.29	3,207	112 30 53.6	19.434	235
24373	Virgo	7½	57 24.34	3,055	87 27 2.7	19.433	231
24374	Virgo	8	57 24.57	2,998	77 47 3.4	19.433	331
24375	Virgo <i>g</i>	6½	57 26.13	3,126	99 40 0.5	19.433	156
24376	Virgo <i>g</i>	5	57 26.34	3,126	99 40 0.1	19.433	336
24377	Virgo	8½	57 30.64	3,148	103 12 49.4	19.431	157
24378	Virgo	9	57 31.32	2,991	76 35 52.6	19.431	149
24379	Coma	4½	57 33.48	2,888	61 17 50.5	19.430	565
24380	Coma	5	57 34.20	2,888	61 17 50.9	19.430	64
24381	Coma	5	57 34.41	2,888	61 17 58.4	19.430	334
24382	Coma	8½	57 35.68	2,879	60 12 51.3	19.429	62
24383	Virgo	9	57 36.31	2,991	76 39 5.6	19.429	149
24384	Virgo	9½	57 38.83	3,100	95 12 19.0	19.428	151
24385	Virgo	8	57 44.54	3,009	79 44 9.7	19.426	224
24386	Virgo	9½	57 48.67	3,006	79 14 4.9	19.425	224
24387	Coma	8	57 48.69	2,895	62 24 14.0	19.425	64
24388	Virgo	9	57 50.46	3,044	85 40 14.5	19.424	231
24389	Hydra	8	57 55.94	3,210	112 44 59.6	19.422	235
24390	Hydra	7	57 56.85	3,205	112 1 53.0	19.422	235
24391	Virgo	9	57 57.81	3,155	104 15 13.4	19.421	160
24392	Canes Venatici.	8½	57 58.17	2,805	51 39 33.7	19.421	57
24393	Virgo	7½	57 59.22	3,133	100 41 10.7	19.421	336
24394	Coma	8½	58 2.64	2,913	64 55 32.1	19.420	65
24395	Coma	9	58 3.64	2,913	64 54 54.1	19.419	65
24396	Virgo	9	58 6.81	2,991	76 43 52.6	19.418	149
24397	Coma	8	58 7.29	2,941	68 59 23.5	19.418	68
24398	Coma	8	58 7.36	2,941	68 59 27.2	19.418	71
24399	Virgo	6	58 7.57	3,116	97 54 26.4	19.418	154
24400	Virgo	11	12 58 8.02	+3,080	91 43 16.5	+19.418	155

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24401	Virgo	8	12 58 12.98	+3,079	91 36 31.3	+19,416	155
24402	Coma	6	58 18.06	2,886	61 22 6.8	19,414	64
24403	Coma	6	58 18.19	2,886	61 22 0.6	19,414	565
24404	Coma	6	58 18.84	2,886	61 22 9.4	19,414	334
24405	Hydra ψ	6	58 19.04	3,206	112 2 41.2	19,414	235
24406	Virgo	9	58 19.30	2,991	76 51 22.8	19,413	149
24407	Coma	7	58 23.12	2,906	64 5 53.2	19,412	65
24408	Virgo	9	58 24.19	3,006	79 17 52.9	19,412	224
24409	Virgo	8	58 27.25	3,144	102 22 10.8	19,411	157
24410	Virgo .....	.	58 27.87	3,099	94 55 20.2	19,410	151
24411	Virgo	9	58 28.07	3,170	106 36 14.3	19,410	232
24412	Coma	7½	58 33.04	2,969	73 25 57.3	19,408	73
24413	Canes Venatici.	9	58 39.01	2,805	51 57 9.9	19,406	57
24414	Virgo .....	.	58 42.65	3,032	83 40 56.6	19,405	230
24415	Virgo	6½	58 42.67	3,032	83 40 59.6	19,405	336
24416	Virgo	6½	58 43.02	3,032	83 40 57.7	19,405	287
24417*	Canes Venatici.	7	58 44.84	2,749	46 33 11.3	19,404	7
24418	Virgo	6½	58 48.70	3,120	98 28 5.6	19,403	336
24419	Canes Venatici.	9	58 48.89	2,848	56 53 3.0	19,403	60
24420	Virgo	7	58 49.41	3,187	109 3 5.7	19,403	233
24421	Virgo	8½	58 49.84	3,168	106 9 31.9	19,402	232
24422	Coma	8½	58 55.25	2,948	70 21 0.4	19,400	71
24423	Hydra	8	58 56.76	3,201	111 6 8.9	19,400	234
24424	Virgo	6½	58 58.14	3,045	85 47 10.7	19,399	231
24425	Virgo	7	58 58.28	3,045	85 47 8.8	19,399	338
24426	Canes Venatici.	.	59 0.94	2,786	50 11 1.9	19,398	58
24427	Coma	8½	59 7.35	2,883	61 19 16.4	19,396	334
24428	Coma	9	59 7.92	2,883	61 19 17.7	19,396	64
24429	Virgo	9½	59 10.18	3,010	80 7 46.3	19,395	224
24430	Virgo	6	59 11.16	3,003	78 54 21.0	19,394	331
24431	Virgo	5½	59 11.74	3,003	78 54 25.3	19,394	334
24432	Canes Venatici.	7	59 12.00	2,737	45 44 54.5	19,394	7
24433	Coma	7	59 16.87	2,947	70 18 16.5	19,392	71
24434	Virgo	9	59 17.70	3,125	99 15 29.9	19,392	156
24435	Virgo	7	59 18.16	3,125	99 15 31.5	19,392	154
24436	Virgo	7	59 18.22	3,125	99 15 32.5	19,392	336
24437	Hydra	8½	59 23.78	3,211	112 20 33.8	19,390	235
24438	Canes Venatici.	.	59 24.61	2,799	51 42 22.5	19,389	57
24439	Virgo	8	59 25.37	3,084	92 18 50.8	19,389	155
24440	Canes Venatici.	8	12 59 27.30	+2,745	46 35 11.2	+19,388	7

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24441	Virgo	9	12 59 29,80	+3,180	107 49 45,0	+19,387	233
24442	Virgo	8	59 31,35	3,027	82 56 56,4	19,387	287
24443	Hydra	8½	59 33,32	3,222	113 57 38,1	19,386	565
24444	Hydra	8	59 35,04	3,212	112 33 17,8	19,385	235
24445	Coma	8	59 35,52	2,861	58 41 11,9	19,385	69
24446	Canes Venatici.	6½	59 36,00	2,772	49 5 19,9	19,385	9
24447	Coma	8	59 36,07	2,909	65 1 29,0	19,385	66
24448	Virgo 0	4	59 36,47	3,097	94 28 1,9	19,385	151
24449	Coma	8	59 36,85	2,909	65 2 8,1	19,385	67
24450	Virgo 0	4	59 36,98	3,097	94 28 1,4	19,385	153
24451	Virgo 0	4	59 37,20	3,097	94 27 58,3	19,385	154
24452	Coma	9	59 37,70	2,873	60 14 56,1	19,384	62
24453	Coma	8½	59 38,22	2,873	60 14 47,3	19,384	565
24454	Hydra	8½	59 40,60	3,204	111 17 52,3	19,383	234
24455	Virgo	8½	59 49,74	3,067	89 32 46,0	19,380	333
24456	Virgo	8½	59 53,48	3,018	81 29 42,2	19,378	287
24457	Coma	8	59 56,81	2,960	72 27 10,2	19,377	72
24458	Coma	8	59 56,82	2,935	68 47 40,0	19,377	68
24459	Coma	6½	59 57,79	2,958	72 4 50,7	19,377	72
24460	Virgo	9	59 58,14	3,162	104 56 3,4	19,377	160
24461	Coma	9	12 59 59,16	2,858	58 29 41,6	19,376	69
24462	Coma	7½	13 0 4,41	2,932	68 16 32,5	19,375	68
24463	Virgo	9	0 8,11	2,987	76 36 32,4	19,373	158
24464	Coma	8	0 8,60	2,962	72 46 55,5	19,373	72
24465	Virgo	8	0 23,08	3,125	99 2 3,6	19,367	336
24466	Coma	9	0 24,55	2,870	60 7 33,9	19,367	62
24467	Coma	8½	0 24,84	2,869	60 7 31,1	19,367	565
24468	Canes Venatici.	6	0 25,08	2,793	51 30 29,3	19,367	57
24469	Canes Venatici.	6	0 27,93	2,781	50 23 47,3	19,366	339
24470	Canes Venatici.	5½	0 28,09	2,781	50 23 48,9	19,366	58
24471	Virgo	7½	0 28,45	3,170	106 1 10,9	19,365	232
24472	Virgo	8	0 28,67	3,066	89 20 53,4	19,365	333
24473	Virgo .....	.	0 29,18	3,181	107 44 6,3	19,365	233
24474	Canes Venatici.	.	0 31,49	2,827	55 12 31,4	19,364	60
24475	Virgo	9½	0 35,97	3,170	106 4 46,3	19,362	232
24476	Virgo	8½	0 40,12	3,053	87 12 1,9	19,361	231
24477	Virgo	8½	0 40,47	3,053	87 12 0,2	19,361	231
24478	Virgo	8	0 42,64	3,152	103 10 26,0	19,360	157
24479	Canes Venatici.	8½	0 47,04	2,793	51 46 31,6	19,358	57
24480	Canes Venatici.	6½	13 0 47,85	+2,778	50 12 26,6	+19,358	58

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24481	Hydra	6	13 0 48,33	+3,237	115 29 1,1	+19,358	565
24482	Canes Venatici.	6½	0 49,05	2,778	50 12 24,1	19,358	339
24483	Virgo	9	0 49,22	3,132	100 2 13,1	19,357	336
24484	Coma	9	0 49,95	2,863	59 29 11,2	19,357	62
24485	Canes Venatici.	5½	0 50,31	2,780	50 26 6,8	19,357	58
24486	Canes Venatici.	6	0 50,71	2,780	50 26 4,3	19,357	339
24487	Canes Venatici.	6	0 50,81	2,780	50 26 4,2	19,357	9
24488	Virgo	7	0 50,81	3,150	102 53 31,9	19,357	157
24489	Virgo	7	0 52,33	2,980	75 37 30,2	19,356	158
24490	Virgo	9	0 54,71	3,009	80 8 2,9	19,355	334
24491	Virgo	9	0 55,33	3,009	80 8 0,1	19,355	224
24492	Virgo	8½	0 59,27	3,087	92 50 52,0	19,354	155
24493	Hydra	9	1 4,88	3,223	113 30 4,2	19,351	235
24494	Virgo	6½	1 12,35	3,133	100 9 15,6	19,349	336
24495	Virgo	8	1 12,38	2,975	75 1 14,8	19,348	73
24496	Virgo	9	1 12,92	3,133	100 9 10,0	19,348	156
24497	Virgo	8½	1 16,78	3,043	85 45 47,6	19,347	338
24498	Virgo	9	1 21,58	3,107	95 58 54,4	19,345	153
24499	Canes Venatici.	7½	1 25,65	2,818	54 37 49,7	19,343	60
24500	Virgo	5	1 25,73	3,165	105 6 49,5	19,343	160
24501	Virgo	5	1 26,27	3,165	105 6 55,9	19,343	232
24502	Virgo	7½	1 26,88	3,021	82 8 34,0	19,343	287
24503	Virgo	9	1 27,28	3,148	102 31 5,2	19,343	157
24504	Virgo	8	1 27,60	3,003	79 19 17,5	19,342	331
24505	Coma .....	.	1 37,41	2,924	67 41 41,6	19,339	68
24506	Virgo	8½	1 48,33	3,089	93 2 29,3	19,334	155
24507	Coma	8½	1 48,53	2,934	69 6 58,9	19,334	71
24508	Coma	6½	1 49,92	2,918	67 0 45,0	19,334	67
24509	Virgo	8½	1 52,03	2,982	76 12 6,6	19,333	158
24510	Coma	9	1 58,27	2,864	60 3 51,6	19,331	62
24511	Draco	6½	2 3,12	2,359	26 42 5,9	19,329	385
24512	Virgo	7½	2 7,05	2,992	77 42 39,0	19,327	331
24513	Virgo	8½	2 12,88	3,046	86 16 46,5	19,325	338
24514	Canes Venatici.	8	2 13,16	2,813	54 26 39,4	19,325	60
24515	Coma	7½	2 22,61	2,958	72 48 22,3	19,321	72
24516	Canes Venatici.	7	2 22,62	2,748	48 8 22,6	19,321	9
24517	Hydra	8½	2 26,26	3,214	111 51 56,3	19,320	235
24518	Virgo	9	2 28,40	3,018	81 54 47,5	19,319	287
24519	Virgo	7	2 28,79	3,077	91 11 57,4	19,319	333
24520	Coma	6	13 2 29,63	+2,899	64 40 24,0	+19,318	471

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24521	Virgo	8½	13	2	30,25	+3,087	92	49	41,7	+19,318	155
24522	Coma	4½		2	31,01	2,871	61	6	15,9	19,318	565
24523	Virgo	7		2	31,85	3,037	84	51	52,4	19,317	336
24524	Coma	5		2	31,87	2,871	61	6	22,0	19,317	63
24525	Coma	5		2	32,05	2,871	61	6	22,1	19,317	64
24526	Coma	4½		2	32,47	2,871	61	6	19,9	19,317	334
24527	Coma	8½		2	34,70	2,941	70	23	20,2	19,316	71
24528	Virgo	6		2	35,99	2,989	77	22	32,2	19,316	158
24529	Virgo	6		2	36,34	2,989	77	22	32,4	19,316	331
24530	Canes Venatici.	6½		2	37,11	2,834	56	50	55,9	19,315	69
24531	Coma	7½		2	38,98	2,948	71	24	59,7	19,315	72
24532	Virgo	8		2	40,86	3,162	104	23	35,7	19,314	160
24533	Virgo	6½		2	46,70	3,186	107	45	31,2	19,312	233
24534	Virgo	8		2	46,85	3,185	107	45	30,3	19,312	232
24535	Coma	7		2	49,70	2,939	70	10	55,9	19,310	71
24536	Virgo	8		2	49,75	3,095	93	57	8,2	19,310	151
24537	Canes Venatici.	9		2	49,88	2,787	52	1	25,5	19,310	57
24538	Virgo	9		2	50,40	3,049	86	39	35,1	19,310	338
24539	Virgo	8		2	51,08	3,149	102	24	9,7	19,310	157
24540	Canes Venatici.	8		2	52,24	2,808	54	7	18,0	19,310	60
24541	Virgo	9		2	56,05	3,030	83	47	56,5	19,308	336
24542	Virgo	7		2	58,06	3,079	91	29	15,1	19,307	333
24543	Virgo	7½		3	3,08	3,085	92	25	43,8	19,305	155
24544	Virgo	8½		3	6,35	3,163	104	20	0,4	19,304	160
24545	Coma	8		3	9,21	2,930	69	0	55,9	19,303	68
24546	Coma	9		3	15,63	2,955	72	31	7,9	19,300	72
24547	Coma	7½		3	16,53	2,962	73	37	3,9	19,300	73
24548	Virgo	8½		3	21,98	3,141	101	7	39,0	19,297	336
24549	Virgo ..*	.		3	22,23	3,137	100	29	24,6	19,297	336
24550	Virgo	8		3	23,38	2,975	75	32	30,8	19,297	158
24551*	Virgo	9		3	25,06	3,107	95	52	0,9	19,297	153
24552	Canes Venatici.	8		3	27,14	2,808	54	24	12,5	19,296	60
24553	Coma	6½		3	28,45	2,938	70	12	18,8	19,296	71
24554	Virgo	6		3	29,71	3,195	108	52	30,8	19,294	234
24555	Canes Venatici.	8		3	30,24	2,804	54	2	57,9	19,294	60
24556	Canes Venatici.	8½		3	35,07	2,810	54	39	10,4	19,293	60
24557	Virgo	8		3	36,45	3,156	103	13	4,2	19,292	160
24558	Virgo	8½		3	37,63	3,156	103	13	2,9	19,291	157
24559	Virgo	9½		3	37,70	3,100	94	44	52,2	19,291	151
24560	Hydra	7	13	3	38,78	+3,227	113	13	9,5	+19,291	235

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24561	Hydra	6½	13	3	38.94	+3,227	113	13	21.9	+19,291	565
24562	Draco.....	7½		3	44.86	2,310	25	47	13.5	19,289	385
24563	Virgo	6½		3	46.50	3,053	87	28	34.2	19,288	231
24564	Virgo	6		3	46.67	3,053	87	28	35.4	19,288	231
24565	Virgo	8		3	47.32	3,081	91	44	31.1	19,288	155
24566	Canes Venatici.	7½		3	49.11	2,768	50	39	10.5	19,287	58
24567	Canes Venatici.	6½		3	49.26	2,718	46	18	31.2	19,287	7
24568	Canes Venatici.	7		3	49.41	2,768	50	39	4.2	19,287	339
24569	Virgo	8½		4	4.11	2,999	79	9	48.2	19,281	334
24570	Hydra	8½		4	5.66	3,225	112	47	19.6	19,280	235
24571	Coma	9		4	13.19	2,956	72	59	29.3	19,277	72
24572	Virgo	9		4	13.42	3,162	103	57	19.5	19,277	160
24573	Coma	9		4	13.77	2,849	59	9	30.7	19,277	69
24574	Coma	7		4	13.80	2,848	59	7	0.6	19,277	69
24575	Virgo	8		4	17.10	3,130	99	18	13.1	19,276	336
24576	Ursa Major ..	8		4	17.40	2,579	37	2	10.9	19,275	354
24577	Coma	7		4	17.41	2,883	63	14	9.9	19,275	334
24578	Coma	8		4	17.48	2,883	63	14	10.1	19,275	64
24579	Canes Venatici.	7½		4	22.85	2,780	52	2	56.3	19,273	57
24580	Canes Venatici.	8½		4	27.59	2,766	50	43	19.1	19,271	339
24581	Canes Venatici.	9		4	27.79	2,766	50	43	19.5	19,271	58
24582	Virgo	7		4	28.20	3,137	100	17	23.8	19,271	336
24583	Virgo	8½		4	29.31	3,137	100	17	20.1	19,270	156
24584	Virgo	8		4	30.70	3,137	100	17	5.7	19,270	336
24585	Virgo	9½		4	31.31	3,137	100	17	11.1	19,270	156
24586	Virgo	5½		4	32.71	2,988	77	36	7.6	19,269	331
24587	Canes Venatici.	5½		4	37.43	2,744	48	47	5.2	19,267	9
24588	Canes Venatici.	5		4	37.94	2,744	48	47	0.8	19,267	9
24589	Virgo	9		4	40.66	3,115	96	54	37.9	19,266	153
24590	Virgo	9		4	42.06	3,179	106	24	23.8	19,265	232
24591	Coma	8½		4	44.64	2,960	73	39	5.8	19,264	73
24592	Virgo	7½		4	55.79	3,033	84	25	5.4	19,260	336
24593	Virgo	8		5	5.21	3,116	96	59	45.0	19,256	153
24594	Coma	9		5	8.61	2,849	59	32	3.7	19,254	62
24595	Virgo	6		5	10.91	3,198	108	52	29.7	19,254	234
24596	Virgo	6		5	11.18	3,198	108	52	31.3	19,254	233
24597	Virgo	9		5	11.78	3,172	105	12	45.3	19,254	232
24598	Virgo	8		5	13.65	3,100	94	34	11.5	19,253	151
24599	Virgo	9		5	17.14	3,041	85	42	50.2	19,251	338
24600	Virgo	9	13	5	17.44	+3,041	85	42	46.8	+19,251	231

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24601	Virgo	9	13	5	19,98	+3,013	81	26	36,6
24602	Virgo	7½		5	22,27	3,145	101	17	11,0
24603	Virgo	7		5	23,53	3,043	85	53	11,2
24604	Virgo	7		5	23,63	3,043	85	53	15,5
24605	Coma	7½		5	24,17	2,933	70	1	9,4
24606	Virgo	8½		5	28,23	3,137	100	10	35,3
24607*	Coma	7½		5	35,04	2,952	72	45	9,8
24608	Virgo	8		5	40,88	3,002	79	54	54,2
24609	Virgo	8		5	41,27	3,147	101	33	32,0
24610	Virgo	7½		5	42,23	3,100	94	36	18,6
24611	Virgo	6½		5	44,85	3,010	81	0	0,9
24612	Virgo	9		5	44,92	2,976	76	9	37,2
24613	Canes Venatici.	7		5	53,16	2,789	53	29	31,4
24614	Virgo	8½		5	53,35	3,032	84	17	32,2
24615	Canes Venatici.	7		5	53,73	2,789	53	29	33,0
24616	Coma	8		5	54,25	2,961	73	58	25,9
24617	Virgo	8		5	56,37	3,036	84	58	31,4
24618	Virgo	8		6	0,12	3,001	79	43	50,9
24619	Coma	8		6	8,21	2,852	60	11	51,1
24620	Canes Venatici.	9		6	9,50	2,672	43	45	36,2
24621	Virgo	6		6	10,27	3,072	90	19	38,3
24622	Coma	7½		6	16,20	2,912	67	33	18,9
24623	Coma	6½		6	16,46	2,912	67	33	18,0
24624	Virgo	8		6	18,74	3,100	94	30	31,3
24625	Canes Venatici.	9		6	19,15	2,775	52	20	10,1
24626	Virgo	7		6	19,92	3,019	82	25	55,0
24627	Canes Venatici.	8		6	20,97	2,800	54	45	18,0
24628	Coma	8		6	25,31	2,959	73	54	46,8
24629	Virgo	8		6	26,43	3,109	95	52	30,7
24630	Coma	7		6	29,98	2,929	69	53	19,2
24631	Canes Venatici.	6½		6	30,97	2,726	48	5	6,0
24632	Canes Venatici.	7		6	31,15	2,726	48	5	7,2
24633	Canes Venatici.	6		6	31,15	2,726	48	5	7,9
24634	Coma	8½		6	31,80	2,943	71	40	57,5
24635	Virgo	8½		6	33,05	3,119	97	20	38,8
24636	Hydra	8½		6	37,76	3,213	110	28	40,7
24637	Virgo	7½		6	40,16	3,054	87	41	57,4
24638	Virgo		6	41,75	3,147	101	27	41,6
24639	Coma	7½		6	41,81	2,942	71	38	20,4
24640	Coma	8½	13	6	42,95	+2,930	69	58	55,2

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24641	Coma	8	13	6	44.78	+2,874	63	1	1.3	+19,215	334
24642	Coma	8		6	45.84	2,874	63	1	2.1	19,215	471
24643	Coma	8½		6	47.44	2,858	61	11	0.9	19,214	62
24644	Coma	8		6	48.80	2,858	61	11	4.5	19,213	334
24645	Coma	7		6	49.65	2,923	69	9	18.5	19,213	68
24646	Virgo e	5½		6	51.21	2,999	79	31	35.3	19,212	331
24647	Virgo e	8		6	51.26	2,999	79	31	38.4	19,212	334
24648	Coma	7		6	51.93	2,930	70	2	11.2	19,212	71
24649	Virgo	8½		6	52.04	2,977	76	30	44.6	19,212	158
24650	Virgo	6½		6	52.21	3,140	100	25	28.1	19,212	336
24651	Canes Venatici.	8		6	52.82	2,780	53	2	38.9	19,212	57
24652	Coma	7		6	53.24	2,944	71	54	25.7	19,211	72
24653	Virgo	7		6	55.68	3,169	104	29	8.8	19,210	160
24654	Virgo	7½		6	56.14	3,028	83	46	46.1	19,210	336
24655	Virgo	9½		6	59.25	3,134	99	29	13.2	19,209	156
24656	Virgo	7½		6	59.62	3,134	99	29	14.6	19,209	336
24657	Canes Venatici.	9½		7	7.34	2,823	57	24	8.7	19,205	69
24658	Virgo	8		7	11.37	3,074	90	37	29.9	19,204	333
24659	Virgo	9		7	13.55	3,106	95	19	47.0	19,203	153
24660	Virgo	6		7	16.37	3,067	89	37	1.6	19,201	333
24661	Virgo	7½		7	17.67	3,122	97	40	17.7	19,201	154
24662	Virgo	5½		7	21.88	2,968	75	16	2.9	19,199	158
24663	Virgo	5½		7	21.98	2,968	75	16	0.4	19,199	73
24664	Hydra	8½		7	25.47	3,246	114	27	50.7	19,198	565
24665	Coma	8½		7	29.48	2,845	59	53	42.6	19,196	62
24666	Virgo σ	5		7	30.57	3,025	83	28	20.5	19,196	336
24667	Virgo σ	5		7	31.02	3,025	83	28	21.6	19,196	287
24668	Canes Venatici.	9½		7	35.89	2,749	50	29	19.8	19,193	58
24669	Virgo	7½		7	43.63	3,105	95	12	28.6	19,190	153
24670	Virgo	9		7	43.92	3,024	83	21	15.3	19,190	336
24671	Canes Venatici.	9		7	45.27	2,681	45	6	7.0	19,189	352
24672	Virgo	7		7	45.46	2,967	75	10	42.2	19,189	73
24673	Coma	7½		7	45.80	2,940	71	39	1.3	19,189	72
24674	Virgo	7½		7	46.13	2,967	75	10	44.3	19,189	158
24675	Coma	8		7	50.16	2,926	69	43	31.8	19,187	71
24676	Coma	8		7	52.15	2,927	69	55	13.0	19,186	71
24677	Virgo	9		7	53.29	3,166	103	53	53.0	19,186	160
24678	Canes Venatici.	8		7	55.28	2,680	45	6	2.5	19,185	7
24679	Canes Venatici.	8		7	57.06	2,829	58	19	35.4	19,184	69
24680	Virgo	5	13	7	58.24	+3,191	107	11	30.8	+19,184	232

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24681	Virgo	4½	13	7	58,30	+3,191	107	11	31,3	+19,184	233
24682	Hydra γ	3		8	4,68	3,229	112	6	39,2	19,181	235
24683	Hydra γ	3		8	4,99	3,229	112	6	38,8	19,181	233
24684	Hydra	8		8	5,17	3,248	114	32	16,7	19,181	565
24685	Hydra γ	3		8	5,44	3,229	112	6	37,9	19,181	234
24686	Virgo	8		8	10,02	3,025	83	27	33,4	19,179	336
24687	Virgo	8		8	14,11	3,037	85	11	26,0	19,177	338
24688	Coma .....	.		8	18,31	2,911	67	56	24,0	19,175	68
24689	Virgo	7½		8	18,76	3,146	100	57	0,9	19,175	336
24690	Virgo .....	.		8	19,06	3,146	100	57	28,2	19,175	156
24691	Virgo	7½		8	27,47	3,150	101	35	25,9	19,171	157
24692	Hydra	9		8	30,94	3,241	113	33	46,4	19,170	235
24693	Canes Venatici.	6		8	33,00	2,719	48	22	14,0	19,169	9
24694	Canes Venatici.	6		8	33,08	2,719	48	22	13,9	19,169	161
24695	Canes Venatici.	5½		8	33,42	2,719	48	22	14,7	19,169	9
24696	Virgo	9		8	37,74	3,080	91	28	19,9	19,167	155
24697	Virgo	9		8	37,95	3,149	101	22	54,0	19,167	157
24698	Virgo .....	.		8	38,25	3,166	103	41	7,0	19,167	160
24699	Draco	7		8	39,31	2,235	25	19	10,6	19,166	385
24700	Virgo	8		8	41,43	3,012	81	45	34,8	19,165	287
24701	Coma	8		8	41,65	2,865	62	38	58,8	19,165	334
24702	Virgo	8½		8	43,09	2,971	76	1	47,7	19,165	158
24703	Virgo	6½		8	43,35	3,037	85	15	21,1	19,165	338
24704	Hydra	8		8	46,31	3,251	114	36	19,4	19,163	565
24705	Virgo	9		8	50,57	2,993	79	6	17,6	19,161	331
24706	Canes Venatici.	8		8	50,87	2,816	57	18	40,3	19,161	69
24707	Virgo	7½		8	56,68	3,140	100	5	34,8	19,159	336
24708	Virgo	7		8	58,46	3,037	85	13	14,1	19,158	338
24709	Canes Venatici.	8½		9	2,76	2,717	48	24	42,9	19,156	161
24710	Canes Venatici	9		9	3,36	2,717	48	24	41,7	19,156	9
24711	Coma	7½		9	4,68	2,864	62	34	46,7	19,155	334
24712	Virgo	8		9	5,24	3,150	101	25	38,1	19,155	157
24713	Virgo	7		9	12,93	3,144	100	36	58,7	19,152	336
24714	Virgo	8		9	13,52	3,144	100	36	56,9	19,151	156
24715	Coma	9		9	14,00	2,864	62	37	31,7	19,151	334
24716	Canes Venatici.	6		9	15,02	2,789	54	50	8,6	19,151	61
24717	Virgo	8½		9	20,15	3,126	98	2	57,7	19,148	154
24718	Coma	8		9	20,80	2,878	64	20	8,2	19,148	471
24719	Canes Venatici.	8½		9	25,62	2,723	49	2	42,4	19,146	161
24720	Canes Venatici.	8½	13	9	26,13	+2,723	49	2	46,1	+19,146	58

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24721	Canes Venatici.	7½	13	9	26.86	+2,723	49	2	42.1
24722	Virgo	8		9	31.11	3,024	83	28	55.4
24723	Virgo	8		9	31.69	3,001	80	18	1.5
24724	Coma	7½		9	35.97	2,842	60	23	4.8
24725	Canes Venatici.	8½		9	37.75	2,682	45	54	1.8
24726	Virgo	7½		9	39.93	2,994	79	14	48.7
24727	Coma	9½		9	42.80	2,907	67	52	41.6
24728	Virgo	8		9	42.97	3,214	109	49	16.5
24729	Coma .....	.		9	49.35	2,892	66	6	55.9
24730	Virgo	6		9	50.57	3,142	100	14	56.2
24731	Virgo	7½		9	50.93	3,142	100	14	53.6
24732	Canes Venatici.	7		9	51.22	2,776	53	49	3.7
24733	Virgo	8½		9	51.59	3,051	87	20	16.4
24734	Virgo	9		9	54.65	3,126	98	0	8.6
24735	Virgo	7		9	56.12	3,002	80	27	22.7
24736	Coma	8½		9	57.15	2,845	60	50	30.1
24737	Virgo	8½	10		2.33	3,168	103	43	2.0
24738	Virgo	7	10		5.72	3,039	85	39	24.8
24739	Hydra	7	10		12.49	3,244	113	25	4.1
24740	Hydra	7½	10		12.49	3,244	113	24	54.9
24741	Canes Venatici.	9½	10		13.54	2,722	49	13	45.2
24742	Virgo	7½	10		21.16	2,949	73	22	47.7
24743	Virgo	7	10		27.90	3,028	84	7	9.4
24744	Coma	7	10		29.30	2,932	71	10	26.9
24745	Coma	6½	10		29.81	2,933	71	22	3.6
24746	Virgo	7½	10		31.52	3,003	80	42	1.0
24747	Virgo .....	.	10		32.61	3,041	86	0	10.3
24748	Virgo	9½	10		32.86	2,950	73	29	28.7
24749	Hydra	8	10		38.12	3,249	113	52	44.2
24750	Virgo	9½	10		38.75	2,974	76	41	54.3
24751	Virgo	9	10		38.78	3,102	94	36	38.1
24752	Coma	6½	10		40.87	2,931	71	10	29.3
24753	Coma	7	10		40.94	2,933	71	22	3.2
24754	Virgo	9½	10		44.49	2,971	76	24	24.0
24755	Virgo	8	10		45.18	3,134	98	56	48.5
24756	Virgo	9	10		45.28	3,134	98	56	50.8
24757	Hydra	8½	10		48.43	3,224	110	45	11.6
24758	Canes Venatici.	8	10		51.70	2,735	50	34	37.3
24759	Canes Venatici.	8½	10		52.45	2,735	50	34	39.4
24760	Canes Venatici.	7½	13	11	2.54	+2,737	50	46	57.4
									+19,146
									19,144
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									19,108
									+19,103

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24761	Canes Venatici.	8½	13 11 2,86	+2,737	50 46 55,6	+19,103	58
24762	Virgo	7½	11 3,32	3,200	107 41 16,3	19,103	233
24763	Virgo	8	11 4,54	3,147	100 41 31,8	19,103	336
24764	Coma	8	11 6,29	2,873	64 17 41,0	19,102	471
24765	Canes Venatici.	7	11 20,18	2,711	48 47 42,9	19,095	161
24766	Canes Venatici	6½	11 20,51	2,711	48 47 41,6	19,095	9
24767	Coma	9½	11 25,70	2,891	66 28 19,0	19,093	67
24768	Virgo	7½	11 27,71	3,042	86 5 27,5	19,092	338
24769	Virgo	8	11 29,89	3,167	103 21 53,2	19,091	160
24770	Virgo	8	11 29,99	2,958	74 47 46,2	19,091	73
24771	Virgo	9	11 31,73	3,218	109 48 40,2	19,091	234
24772	Hydra	7	11 33,13	3,259	114 47 24,5	19,090	565
24773	Virgo	7	11 34,87	3,153	101 31 33,3	19,089	157
24774	Canes Venatici.	8	11 43,94	2,670	45 49 54,4	19,085	7
24775	Virgo	7½	11 52,13	3,042	86 11 22,7	19,081	338
24776	Virgo	7½	11 54,63	3,063	89 11 56,9	19,080	333
24777	Virgo	8	11 54,82	3,063	89 11 55,6	19,080	231
24778	Canes Venatici.	6½	12 3,36	2,736	51 5 27,6	19,076	339
24779	Coma	8	12 3,46	2,929	71 10 54,7	19,076	71
24780	Virgo	8	12 3,51	3,196	106 58 34,4	19,076	232
24781	Coma	8	12 3,81	2,929	71 10 54,1	19,076	72
24782	Canes Venatici.	9	12 3,91	2,736	51 8 1,6	19,076	339
24783	Virgo	6	12 4,86	3,025	83 47 25,7	19,076	336
24784	Canes Venatici.	8	12 5,21	2,736	51 5 23,6	19,075	58
24785	Virgo	7	12 8,82	3,107	95 8 32,4	19,074	152
24786	Virgo	7	12 8,91	3,107	95 8 37,9	19,073	153
24787	Virgo	8	12 11,88	3,159	102 8 5,7	19,072	157
24788	Virgo	9	12 14,69	2,965	75 47 23,0	19,071	158
24789	Virgo .....	.	12 15,02	3,066	89 31 31,9	19,071	333
24790	Hydra	8	12 17,00	3,252	113 40 57,2	19,070	235
24791	Canes Venatici.	8½	12 18,91	2,815	58 25 33,8	19,069	69
24792*	Virgo	6	12 19,69	3,194	106 40 54,8	19,069	232
24793	Coma	8	12 20,14	2,890	66 38 6,1	19,069	67
24794	Coma	7½	12 26,36	2,857	62 57 0,7	19,066	334
24795	Hydra	8	12 26,37	3,251	113 36 10,4	19,066	235
24796	Coma	7½	12 28,42	2,867	64 3 52,8	19,065	471
24797	Canes Venatici.	7	12 28,79	2,602	41 40 33,3	19,065	385
24798	Virgo	9	12 31,39	3,176	104 21 42,7	19,063	160
24799	Canes Venatici.	8	12 46,51	2,666	45 58 14,3	19,057	7
24800	Canes Venatici.	8½	13 12 48,62	+2,712	49 24 3,1	+19,056	161

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24801	Virgo	8½	13 12 48,67	+3,143	99 59 21,9	+19,056	336
24802	Canes Venatici.	8	12 53,09	2,758	53 19 6,7	19,054	61
24803	Canes Venatici.	6½	12 53,20	2,815	58 39 15,9	19,054	69
24804	Virgo	6	12 57,83	3,098	93 52 25,9	19,052	152
24805	Virgo	6	12 57,98	3,098	93 52 23,2	19,052	155
24806	Virgo	8½	13 2,84	3,175	104 3 52,3	19,049	160
24807	Virgo	8½	13 5,52	3,163	102 35 52,6	19,048	157
24808	Coma	7½	13 6,27	2,854	62 50 4,5	19,048	334
24809	Canes Venatici.	8½	13 6,46	2,706	49 4 45,8	19,048	161
24810	Coma	8½	13 8,54	2,927	71 10 22,5	19,047	71
24811	Coma	8½	13 8,84	2,927	71 10 22,9	19,046	72
24812	Virgo	6½	13 9,74	3,221	109 52 25,6	19,046	234
24813	Coma	8½	13 11,12	2,857	63 6 36,7	19,045	334
24814	Virgo	8	13 11,27	2,947	73 41 56,6	19,045	73
24815	Coma	8	13 19,17	2,922	70 40 19,0	19,042	71
24816	Hydra	7½	13 19,91	3,258	114 4 53,4	19,041	565
24817	Virgo	7½	13 26,44	3,143	99 49 9,3	19,038	336
24818	Virgo	8	13 28,67	3,025	83 59 14,5	19,038	338
24819	Virgo	8½	13 29,27	3,067	89 40 2,3	19,037	333
24820	Virgo	8½	13 31,08	3,166	102 50 8,5	19,036	157
24821	Virgo	8	13 31,19	3,040	85 59 15,1	19,036	338
24822	Coma	9	13 35,22	2,830	60 25 41,1	19,034	62
24823	Canes Venatici.	8½	13 38,57	2,706	49 18 43,9	19,033	161
24824	Coma	7	13 40,20	2,929	71 39 16,5	19,032	72
24825	Canes Venatici.	8½	13 41,82	2,665	46 14 39,3	19,031	7
24826	Virgo	8½	13 45,63	3,168	103 3 6,3	19,030	157
24827	Virgo	8½	13 48,11	2,944	73 29 55,3	19,028	73
24828	Virgo	9	13 49,73	2,964	76 0 12,0	19,027	158
24829	Canes Venatici.	9	13 50,78	2,667	46 25 41,5	19,027	7
24830	Coma	7½	13 52,20	2,929	71 37 45,4	19,027	72
24831	Coma	8½	14 2,14	2,921	70 44 2,0	19,022	71
24832	Coma	7½	14 7,17	2,857	63 24 12,9	19,020	471
24833	Virgo	7½	14 7,64	3,064	89 15 52,2	19,020	333
24834	Coma	8½	14 7,69	2,920	70 34 31,8	19,019	71
24835	Canes Venatici.	9	14 7,88	2,808	58 24 29,5	19,019	69
24836	Canes Venatici.	8½	14 14,90	2,704	49 18 44,9	19,016	339
24837	Coma	7	14 16,88	2,856	63 24 11,9	19,015	334
24838	Coma	9	14 17,49	2,821	59 43 38,3	19,015	62
24839	Draco	7½	14 24,83	2,155	24 59 54,7	19,011	385
24840	Canes Venatici.	7½	13 14 25,90	+2,705	49 31 23,9	+19,011	339

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24841	Canes Venatici.	8	13 14 26,80	+2,705	49 31 21,9	+19,010	161
24842	Canes Venatici.	7	14 29,37	2,595	41 56 57,1	19,009	385
24843	Virgo	9	14 37,12	3,220	109 21 32,7	19,006	233
24844	Virgo	6½	14 37,42	2,967	76 31 16,6	19,006	158
24845	Virgo..... α	1	14 39,64	3,146	100 6 36,7	19,005	232
24846*	Virgo..... α	1	14 39,93	3,146	100 6 42,9	19,004	160
24847	Virgo..... α	1	14 40,39	3,146	100 6 42,8	19,004	154
24848	Virgo..... α	1	14 40,54	3,146	100 6 44,3	19,004	157
24849	Virgo..... α	1	14 40,65	3,146	100 6 44,3	19,004	336
24850	Virgo..... α	1	14 40,68	3,146	100 6 44,6	19,004	156
24851	Virgo..... α	1	14 40,92	3,146	100 6 42,2	19,004	153
24852*	Virgo..... α	1	14 41,01	3,146	100 6 40,1	19,004	336
24853	Virgo..... α	1	14 41,46	3,146	100 6 37,5	19,004	152
24854*	Virgo..... α	1	14 42,01	3,146	100 6 37,5	19,003	155
24855	Virgo	9	14 45,57	3,218	109 7 45,2	19,002	233
24856	Coma	8½	14 46,51	2,916	70 16 1,4	19,002	71
24857	Virgo	9	14 48,55	2,951	74 28 31,3	19,000	73
24858	Canes Venatici.	8	15 1,88	2,760	54 16 5,2	18,994	61
24859	Canes Venatici.	9½	15 6,36	2,805	58 23 50,3	18,992	69
24860	Canes Venatici.	8	15 14,28	2,692	48 49 12,3	18,988	161
24861	Virgo	7	15 24,89	3,192	105 48 58,7	18,983	232
24862	Coma	6	15 33,18	2,869	65 5 58,5	18,979	471
24863	Coma	5	15 33,75	2,869	65 5 52,8	18,979	67
24864	Virgo	8½	15 37,88	3,191	105 37 48,7	18,977	232
24865	Coma	8½	15 41,55	2,932	72 24 4,0	18,975	72
24866	Canes Venatici.	9½	15 42,02	2,801	58 12 25,0	18,975	69
24867	Coma	9	15 42,54	2,829	60 58 23,2	18,975	62
24868	Ursa Major . ζ	3	15 49,80	2,426	34 1 34,7	18,971	354
24869	Virgo	7½	15 53,06	2,940	73 23 22,8	18,970	73
24870	Virgo	9	15 55,27	3,162	102 0 19,8	18,969	157
24871	Coma	8	15 55,45	2,852	63 24 18,7	18,969	334
24872	Virgo	6	15 57,40	3,071	90 8 46,8	18,968	333
24873	Coma	8½	15 59,61	2,914	70 20 56,2	18,967	71
24874	Virgo	9	16 6,26	3,162	101 58 32,8	18,964	157
24875	Virgo i	5½	16 10,27	3,160	101 39 42,4	18,962	157
24876	Coma	8½	16 10,60	2,850	63 16 21,6	18,961	334
24877	Canes Venatici.	8	16 16,53	2,683	48 30 8,8	18,959	161
24878	Virgo	8	16 17,00	2,949	74 36 27,3	18,958	73
24879	Virgo	8½	16 22,00	3,110	95 15 26,9	18,956	336
24880	Virgo	7½	13 16 22,83	+3,018	83 14 52,4	+18,956	287

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24881	Virgo	7	13 16 22,83	+3,018	83 14 47,5	+18,956	336
24882	Canes Venatici.	8½	16 23,53	2,682	48 29 9,8	18,955	161
24883	Virgo	7½	16 27,72	3,203	106 53 1,6	18,954	232
24884	Virgo	7½	16 30,20	3,107	94 53 6,8	18,952	336
24885	Virgo	8	16 30,73	3,107	94 53 15,7	18,952	153
24886	Canes Venatici.	9½	16 34,57	2,679	48 19 16,7	18,950	161
24887	Canes Venatici.	8	16 40,40	2,785	57 5 25,9	18,947	161
24888	Virgo	8	16 40,46	3,165	102 16 3,8	18,947	157
24889	Canes Venatici.	8	16 40,89	2,715	51 6 46,1	18,947	339
24890	Virgo	8	16 41,59	3,004	81 30 14,7	18,947	287
24891	Virgo	5½	16 48,64	3,187	104 55 49,9	18,943	160
24892	Canes Venatici.	7½	16 50,16	2,797	58 15 18,8	18,943	69
24893	Coma	8½	16 55,43	2,868	65 23 59,8	18,940	67
24894	Coma	8	16 59,06	2,926	72 0 39,4	18,938	72
24895	Hydra	6½	17 1,91	3,279	115 21 35,9	18,937	565
24896	Virgo	8	17 2,50	2,948	74 34 22,1	18,937	73
24897	Virgo	8	17 5,51	2,968	77 2 54,0	18,935	158
24898	Canes Venatici.	9½	17 7,56	2,676	48 18 53,6	18,934	161
24899	Virgo	8½	17 16,59	3,114	95 45 29,2	18,930	153
24900	Canes Venatici.	9½	17 18,56	2,675	48 17 11,6	18,929	161
24901	Hydra	8	17 21,73	3,243	111 21 20,7	18,927	235
24902	Hydra	8	17 21,74	3,243	111 21 13,5	18,927	234
24903	Canes Venatici.	9	17 21,88	2,794	58 7 11,6	18,927	69
24904	Coma	9½	17 22,90	2,868	65 28 18,9	18,927	67
24905	Virgo	9½	17 24,34	3,168	102 31 57,8	18,926	157
24906	Virgo	9½	17 28,49	2,966	76 53 48,7	18,924	158
24907	Canes Venatici.	6	17 39,49	2,592	42 55 31,2	18,919	385
24908	Canes Venatici.	6	17 39,52	2,592	42 55 35,8	18,919	352
24909	Virgo	8	17 40,37	2,951	75 2 31,5	18,919	73
24910	Coma	9	17 40,57	2,896	68 41 3,3	18,918	68
24911	Coma	8	17 50,19	2,813	60 5 0,1	18,914	62
24912	Virgo	8	17 53,05	2,961	76 15 7,7	18,912	158
24913	Virgo	8½	17 58,35	3,138	98 42 12,0	18,910	154
24914	Coma	8½	17 59,16	2,858	64 38 47,9	18,910	471
24915	Virgo	7	18 0,49	3,068	89 46 32,1	18,910	333
24916	Draco	8½	18 3,68	2,147	25 49 54,7	18,907	385
24917	Virgo	7½	18 7,37	3,044	86 43 16,2	18,905	338
24918	Virgo	7½	18 12,73	2,987	79 29 49,5	18,903	334
24919	Coma	8	18 13,60	2,857	64 33 10,8	18,902	471
24920	Virgo	8	13 18 24,09	+2,978	78 29 15,6	+18,897	49

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24921	Canes Venatici.	8	13 18 27.41	+2,734	53 12 51.5	+18,896	61
24922	Coma	8	18 29.13	2,832	62 7 1.2	18,895	334
24923	Canes Venatici.	9½	18 34.95	2,759	55 19 51.2	18,892	161
24924*	Canes Venatici.	6	18 35.59	2,668	48 13 36.6	18,892	9
24925	Virgo	9	18 37.24	2,934	73 11 22.4	18,891	72
24926	Virgo	6	18 38.75	2,950	75 8 54.4	18,890	158
24927	Virgo	6	18 39.03	2,950	75 8 47.5	18,890	73
24928	Virgo	7	18 39.86	3,108	94 54 49.8	18,890	336
24929	Virgo	9	18 39.94	3,071	90 13 32.1	18,890	333
24930	Virgo	7½	18 40.23	2,934	73 14 58.5	18,889	72
24931	Virgo	7	18 42.18	3,213	107 41 13.5	18,888	233
24932	Canes Venatici.	.	18 42.30	2,740	53 48 16.0	18,888	61
24933	Bootes	8	18 42.52	2,931	72 50 28.0	18,888	72
24934	Coma	9	18 43.47	2,815	60 30 32.3	18,888	62
24935	Canes Venatici.	9	18 46.58	2,607	44 15 19.8	18,886	352
24936	Hydra	7	18 48.97	3,254	112 14 32.7	18,885	235
24937	Virgo	8½	18 50.31	2,951	75 13 27.6	18,884	73
24938	Virgo	8½	18 54.67	3,026	84 28 46.5	18,882	336
24939	Virgo	6½	18 59.57	3,072	90 19 15.4	18,880	333
24940	Virgo	8	19 1.36	3,060	88 50 20.5	18,879	231
24941	Canes Venatici.	7	19 3.21	2,785	57 48 36.0	18,878	69
24942	Virgo	7	19 6.26	3,031	85 5 17.6	18,876	336
24943	Virgo	8½	19 6.64	2,967	77 14 33.5	18,876	469
24944	Coma	9	19 6.81	2,865	65 40 11.8	18,876	67
24945	Draco	6	19 8.11	2,130	25 42 33.2	18,876	385
24946	Canes Venatici.	9	19 8.42	2,660	47 50 48.9	18,876	161
24947	Virgo	8	19 12.53	3,228	109 16 22.7	18,873	234
24948	Bootes	8½	19 14.77	2,932	73 2 53.2	18,872	72
24949	Virgo	8	19 15.11	2,968	77 19 23.1	18,872	469
24950	Coma	8	19 15.96	2,897	69 10 16.4	18,872	71
24951	Virgo	6	19 18.33	2,974	78 8 27.1	18,871	469
24952	Virgo	6	19 18.62	2,974	78 8 23.2	18,870	331
24953	Coma	8½	19 19.99	2,813	60 30 32.2	18,870	62
24954	Canes Venatici.	8	19 25.51	2,755	55 17 32.3	18,867	61
24955	Canes Venatici.	8½	19 26.45	2,755	55 17 32.0	18,866	161
24956*	Coma	9	19 26.76	2,814	60 40 29.4	18,866	62
24957	Virgo	8½	19 30.98	3,072	90 21 24.4	18,864	333
24958	Virgo	9	19 33.40	2,954	75 41 53.8	18,863	158
24959	Hydra	8	19 34.00	3,259	112 36 37.0	18,863	235
24960	Canes Venatici.	8½	13 19 34.00	+2,760	55 44 54.4	+18,863	161

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24961	Virgo	9	13	19	34.78	+2,994	80	34	32.0	+18,862	334
24962	Canes Venatici.	7		19	35.51	2,663	48	13	39.1	18,862	161
24963	Virgo	7		19	36.02	3,053	87	51	34.4	18,862	231
24964	Canes Venatici.	8		19	38.74	2,789	58	23	56.5	18,860	69
24965	Coma	8		19	39.47	2,874	66	46	37.9	18,860	67
24966	Draco	8		19	49.63	2,132	25	56	54.3	18,855	385
24967	Virgo	6		19	54.03	3,013	82	57	7.6	18,853	336
24968	Virgo	6½		19	54.76	3,013	82	57	4.7	18,853	287
24969	Ursa Major ..	7½		19	55.06	2,446	36	12	49.5	18,852	354
24970	Canes Venatici.	9½		19	55.89	2,783	57	53	11.0	18,852	69
24971	Virgo	7½		19	58.11	3,076	90	51	18.5	18,851	333
24972	Virgo	6		19	58.46	3,003	81	44	4.8	18,850	287
24973	Virgo	8		19	59.76	3,194	105	11	2.8	18,850	160
24974	Virgo	8		19	59.85	3,194	105	11	0.0	18,850	232
24975	Virgo <i>l</i> ¹	6		20	0.35	3,113	95	25	56.0	18,850	336
24976	Virgo <i>l</i> ²	6		20	0.66	3,113	95	25	55.9	18,850	153
24977	Hydra	7		20	6.80	3,280	114	37	7.7	18,847	565
24978	Virgo	7½		20	7.86	3,223	108	31	8.9	18,846	233
24979	Virgo	8½		20	14.88	3,214	107	28	48.2	18,842	233
24980	Canes Venatici.	8½		20	18.28	2,758	55	47	37.3	18,841	161
24981	Virgo .....	.		20	19.11	2,935	73	38	51.5	18,840	73
24982	Bootes	7		20	20.72	2,902	69	54	22.1	18,840	71
24983	Virgo	8		20	21.58	3,001	81	32	52.4	18,839	287
24984	Virgo	8		20	23.59	3,195	105	18	48.3	18,838	160
24985	Virgo	8		20	23.60	3,195	105	18	52.6	18,838	232
24986	Coma	8½		20	24.74	2,818	61	17	18.1	18,837	334
24987	Virgo	8½		20	28.40	3,001	81	28	32.3	18,836	287
24988	Virgo	7		20	32.85	3,086	92	0	54.8	18,833	155
24989	Canes Venatici.	6		20	36.00	2,542	41	6	46.6	18,832	385
24990	Virgo	7½		20	37.91	3,171	102	24	41.0	18,831	157
24991	Virgo	7		20	41.97	2,985	79	38	41.4	18,829	334
24992	Virgo	9		20	43.82	3,084	91	46	42.2	18,828	155
24993	Canes Venatici.	7½		20	50.53	2,739	54	26	19.2	18,824	61
24994	Hydra	7		20	51.65	3,286	115	4	42.7	18,824	565
24995	Canes Venatici.	8½		20	53.80	2,754	55	40	52.2	18,823	161
24996	Virgo	8½		20	54.16	3,135	98	4	11.6	18,823	154
24997	Coma .....	.		20	56.91	2,807	60	23	36.8	18,821	62
24998	Coma	8½		20	58.05	2,868	66	26	50.4	18,821	67
24999	Virgo	9		21	1.00	3,187	104	14	28.4	18,819	160
25000	Coma	9	13	21	1.31	+2,827	62	18	34.1	+18,819	334

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			h	m	s	s			
25001*	Canes Venatici.	7	13	21	9.39	+2,633	46° 43' 18.2	+18,815	7
25002	Hydra	8½		21	9.52	3,286	114 58 28.6	18,815	565
25003	Ursa Major ..	9		21	16.15	2,425	35 47 7.7	18,811	354
25004	Virgo	6		21	17.22	3,218	107 41 29.5	18,811	233
25005	Virgo	8½		21	17.61	3,026	84 40 36.6	18,811	336
25006	Coma	8½		21	17.68	2,850	64 43 46.7	18,811	471
25007	Coma	8		21	21.89	2,850	64 43 35.7	18,809	471
25008	Virgo	8		21	21.97	3,165	101 37 39.7	18,808	157
25009	Canes Venatici.	7½		21	23.68	2,738	54 28 9.2	18,808	61
25010	Hydra	7		21	25.10	3,322	118 31 21.0	18,807	235
25011	Virgo	7½		21	27.50	3,110	94 58 36.7	18,806	336
25012	Virgo	7½		21	33.28	3,080	91 17 45.4	18,803	333
25013	Virgo	8½		21	34.54	3,203	105 56 12.9	18,802	232
25014	Virgo ♀	4½		21	34.72	3,112	95 13 7.3	18,802	336
25015	Virgo ♀	5½		21	34.87	3,112	95 13 7.2	18,802	153
25016	Coma	7		21	35.50	2,828	62 34 26.3	18,802	334
25017	Bootes	8		21	36.66	2,913	71 23 22.0	18,801	72
25018	Canes Venatici.	7½		21	40.45	2,573	43 13 42.8	18,799	352
25019	Canes Venatici.	7		21	40.77	2,573	43 13 38.5	18,799	385
25020	Virgo	8		21	48.81	3,027	84 45 7.7	18,795	336
25021	Virgo	8½		21	51.93	3,087	92 3 52.8	18,793	155
25022	Virgo	9		21	52.10	3,199	105 31 8.6	18,793	232
25023	Virgo	9½		21	53.32	3,166	101 37 32.6	18,793	157
25024	Virgo	9		21	53.46	3,122	96 24 15.5	18,792	153
25025	Canes Venatici.	8		21	59.69	2,604	45 10 17.6	18,789	7
25026	Virgo	8		22	0.55	2,987	79 59 20.9	18,789	334
25027	Canes Venatici.	8		22	1.78	2,759	56 26 58.6	18,788	161
25028	Coma	8		22	2.74	2,899	65 59 42.8	18,788	71
25029	Bootes	8½		22	7.58	2,916	71 49 56.1	18,785	72
25030	Virgo	6		22	12.05	3,190	104 19 43.6	18,783	160
25031*	Canes Venatici.	8		22	14.33	2,717	53 6 41.7	18,782	61
25032	Virgo	8		22	15.13	2,977	78 48 51.8	18,781	469
25033	Virgo	8		22	15.66	3,009	82 37 1.9	18,781	287
25034	Canes Venatici.	7½		22	15.91	2,709	52 28 58.1	18,781	164
25035	Virgo	8½		22	18.74	3,082	91 33 48.6	18,780	155
25036	Coma	7½		22	25.89	2,823	62 21 50.9	18,776	335
25037	Virgo ♀	6		22	26.79	3,145	99 7 45.1	18,775	156
25038	Virgo ♀	6		22	27.00	3,145	99 7 42.8	18,775	154
25039	Virgo	8½		22	34.12	3,121	96 9 33.7	18,772	153
25040	Canes Venatici.	6½	13	22	34.54	+2,619	46 16 35.2	+18,772	9

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25041	Canes Venatici.	5	13 23 34.88	+2,628	46 51 36.0	+18,771	7
25042	Canes Venatici.	7½	22 38.29	2,699	51 51 13.6	18,769	164
25043	Virgo	7	22 39.70	3,081	91 23 19.5	18,769	333
25044	Virgo	7½	22 39.81	3,081	91 23 22.0	18,769	155
25045	Coma	9½	22 43.55	2,801	60 22 43.5	18,767	62
25046	Virgo	8	22 49.16	2,939	74 34 23.2	18,764	73
25047	Coma	9	22 50.60	2,879	68 5 17.9	18,763	68
25048	Virgo	9	22 53.73	2,961	77 5 45.2	18,762	158
25049	Virgo	7½	22 58.16	3,124	96 35 16.0	18,759	153
25050	Virgo	6½	23 5.52	3,012	83 6 52.5	18,756	287
25051	Canes Venatici.	8	23 6.36	2,779	58 29 34.0	18,755	69
25052	Virgo	8½	23 7.16	3,108	94 37 45.7	18,755	336
25053	Coma	9½	23 9.15	2,829	63 6 56.6	18,754	335
25054	Virgo	6½	23 11.23	3,012	83 6 56.7	18,753	336
25055	Virgo	9½	23 12.82	3,085	91 53 35.2	18,752	155
25056	Virgo	8½	23 18.06	3,053	87 58 41.2	18,749	231
25057	Coma	6½	23 18.48	2,844	64 36 35.5	18,749	471
25058	Canes Venatici.	8	23 19.24	2,725	54 4 35.4	18,748	61
25059	Canes Venatici.	7	23 22.51	2,700	52 8 56.6	18,747	164
25060	Virgo	8½	23 27.08	3,200	105 21 18.2	18,744	160
25061	Virgo	8½	23 27.39	3,200	105 21 20.5	18,744	232
25062	Canes Venatici.	6½	23 30.11	2,535	41 43 53.3	18,743	385
25063	Virgo	8½	23 33.24	3,225	108 4 26.6	18,741	233
25064	Canes Venatici.	7½	23 34.22	2,774	58 13 9.6	18,741	69
25065	Canes Venatici.	8	23 40.01	2,664	49 40 31.0	18,737	339
25066	Virgo	8	23 40.76	2,989	80 23 8.3	18,737	334
25067	Virgo	8	23 41.89	3,035	85 50 4.9	18,737	337
25068	Virgo	8	23 42.84	3,085	91 50 47.0	18,736	155
25069	Virgo	8½	23 43.18	3,028	85 2 17.0	18,736	336
25070	Coma	8	23 43.69	2,822	62 36 45.0	18,736	335
25071	Coma	8	23 44.04	2,827	63 5 15.9	18,735	471
25072	Canes Venatici.	9	23 44.24	2,723	54 1 58.2	18,735	61
25073	Virgo	8	23 44.42	3,158	100 30 4.9	18,735	156
25074	Canes Venatici.	7	23 48.61	2,723	54 3 33.3	18,733	61
25075	Virgo	8	23 50.97	3,174	102 18 55.2	18,732	157
25076	Virgo	9	23 51.68	3,028	85 2 53.0	18,731	336
25077	Virgo	9	23 54.74	3,175	102 24 8.6	18,730	157
25078	Canes Venatici.	8	23 55.32	2,611	46 14 12.1	18,730	7
25079	Virgo	9	23 57.10	3,201	105 17 25.8	18,729	160
25080	Virgo	9	13 23 57.41	+3,201	105 17 24.2	+18,728	232

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			h m s	s	° ' "	"	
25081	Coma	8½	13 23 59.65	+2,822	62 41 39.0	+18,728	335
25082	Virgo	5½	23 59.98	3,030	85 18 30.5	18,727	336
25083	Virgo	5½	24 0.07	3,030	85 18 28.5	18,727	338
25084	Virgo	5	24 0.95	3,030	85 18 32.5	18,727	337
25085	Virgo	9	24 1.66	2,987	80 11 13.0	18,726	334
25086	Virgo	6½	24 3.92	3,173	102 10 59.6	18,725	157
25087	Virgo	7	24 5.14	3,064	89 17 3.6	18,725	333
25088	Virgo	9	24 8.61	2,956	76 42 22.4	18,723	158
25089	Bootes	8	24 8.99	2,909	71 32 28.6	18,722	72
25090	Virgo	8	24 12.22	3,138	98 4 32.2	18,721	154
25091	Canes Venatici.	8½	24 14.25	2,661	49 36 54.8	18,720	339
25092	Coma	9	24 16.05	2,858	66 16 22.6	18,719	67
25093	Canes Venatici.	7	24 17.39	2,737	55 18 35.2	18,718	161
25094	Bootes	9	24 17.66	2,909	71 29 46.5	18,718	72
25095	Virgo	9	24 19.56	2,986	80 4 2.8	18,717	334
25096	Virgo	8½	24 21.56	2,985	80 2 10.6	18,716	334
25097	Virgo	8	24 25.17	3,137	98 0 26.9	18,714	154
25098*	Canes Venatici.	9	24 27.11	2,752	56 34 25.3	18,713	161
25099	Hydra	8	24 29.96	3,260	111 35 18.2	18,712	235
25100	Virgo	8	24 30.30	2,938	74 44 1.1	18,711	73
25101	Virgo ζ	3	24 30.32	3,066	89 34 2.2	18,711	333
25102	Virgo ζ	3	24 30.56	3,066	89 34 3.2	18,711	231
25103	Virgo ζ	3	24 30.64	3,066	89 34 7.0	18,711	338
25104	Bootes	8	24 32.19	2,899	70 33 13.0	18,710	71
25105	Virgo	8	24 32.27	2,939	74 51 27.2	18,710	73
25106	Virgo	8	24 38.28	3,120	95 56 10.9	18,707	153
25107	Canes Venatici.	8	24 39.17	2,650	49 2 11.9	18,706	161
25108	Canes Venatici.	8	24 39.35	2,649	48 57 6.9	18,706	9
25109	Canes Venatici.	8	24 40.94	2,752	56 37 28.3	18,706	161
25110	Virgo	8	24 45.94	3,207	105 53 36.4	18,703	233
25111	Virgo	9	24 46.67	3,136	97 51 49.4	18,703	154
25112	Canes Venatici.	8	24 51.27	2,517	41 12 21.4	18,700	385
25113	Canes Venatici.	8	24 51.33	2,517	41 12 28.9	18,700	353
25114	Virgo	9	24 53.49	3,189	103 48 5.9	18,699	160
25115	Virgo	8	24 55.20	3,083	91 32 31.1	18,698	155
25116	Virgo	8½	25 2.50	3,190	103 57 13.6	18,694	160
25117	Canes Venatici.	9	25 2.97	2,749	56 29 42.1	18,694	161
25118	Bootes	9	25 7.12	2,877	68 19 25.6	18,692	68
25119	Virgo	5½	25 8.04	3,107	94 22 18.9	18,691	336
25120	Virgo	7½	13 25 8.34	+3,256	110 59 35.1	+18,691	234

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25121	Virgo	9	13 25 10,02	+3,177	102 26 59,6	+18,690	157
25122	Virgo	7	25 11,45	2,953	76 27 27,0	18,690	158
25123	Virgo	8	25 19,04	3,113	95 7 36,4	18,685	153
25124	Canes Venatici.	8	25 20,94	2,555	43 22 16,8	18,684	352
25125	Canes Venatici.	9	25 21,31	2,773	58 39 2,7	18,684	69
25126	Canes Venatici.	9	25 23,03	2,790	60 8 0,6	18,684	62
25127	Canes Venatici.	6	25 29,48	2,663	50 11 25,1	18,680	339
25128	Virgo	8	25 29,79	3,084	91 41 31,4	18,680	155
25129	Bootes	8	25 35,16	2,874	68 11 11,4	18,677	68
25130	Virgo	8	25 35,41	2,930	74 4 37,1	18,677	73
25131	Virgo	6½	25 37,24	2,973	78 45 53,4	18,676	469
25132	Virgo	9	25 38,24	2,973	78 44 42,4	18,675	469
25133	Virgo	9	25 38,33	3,069	89 56 8,0	18,675	333
25134	Coma	8½	25 43,28	2,833	64 10 3,9	18,673	471
25135	Coma	6	25 44,61	2,857	66 28 42,5	18,672	67
25136	Hydra .....	.	25 44,87	3,302	115 28 4,0	18,672	565
25137	Virgo	8½	25 46,96	3,038	86 17 24,2	18,671	337
25138	Canes Venatici.	9	25 49,00	2,774	58 49 39,7	18,670	69
25139	Canes Venatici.	6	25 50,73	2,684	51 47 16,8	18,669	164
25140	Virgo	6½	25 54,20	2,989	80 40 49,4	18,667	287
25141	Virgo	7	25 54,27	2,989	80 40 46,7	18,667	334
25142	Coma	8	25 54,86	2,853	66 9 56,2	18,666	67
25143	Virgo	9	25 57,98	3,255	110 40 30,7	18,665	234
25144	Virgo	8	25 59,86	3,086	91 54 36,8	18,664	155
25145	Canes Venatici.	9	26 0,26	2,785	59 50 3,2	18,663	62
25146	Virgo	7	26 2,33	3,069	89 53 58,8	18,663	333
25147	Canes Venatici.	8½	26 7,28	2,632	48 15 25,0	18,660	161
25148	Virgo	8	26 9,40	3,256	110 49 41,7	18,659	234
25149	Hydra	7½	26 12,30	3,274	112 35 11,1	18,657	235
25150	Canes Venatici.	9	26 14,34	2,600	46 16 50,7	18,656	7
25151	Virgo	8½	26 15,69	3,082	91 29 22,8	18,655	155
25152	Virgo	8½	26 18,59	2,975	79 8 49,2	18,654	334
25153	Canes Venatici.	6	26 18,99	2,693	52 35 6,4	18,654	164
25154	Virgo	9	26 27,16	2,940	75 15 25,3	18,649	158
25155	Canes Venatici.	8	26 27,54	2,712	53 59 34,6	18,649	61
25156	Virgo	9	26 38,64	2,939	75 10 27,2	18,643	158
25157	Canes Venatici.	6	26 42,86	2,572	44 46 32,1	18,641	7
25158	Virgo	8	26 51,88	3,112	94 51 59,1	18,636	336
25159	Virgo	9	26 59,81	3,190	103 42 11,0	18,632	160
25160	Virgo	9½	13 27 0,86	+3,155	99 46 11,8	+18,631	156

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			h	m	s	s	°	'	"
25161	Canes Venatici.	8½	13	27	2,83	+2,774	59	12	10,9
25162	Canes Venatici.	8½		27	3,23	2,774	59	12	9,4
25163	Virgo	7		27	7,12	3,129	96	50	45,8
25164	Virgo	7		27	7,34	3,129	96	50	45,1
25165	Virgo	8½		27	8,03	2,975	79	15	31,3
25166	Virgo	9		27	16,35	3,063	89	11	43,1
25167	Hydra	9		27	16,88	3,277	112	40	7,7
25168	Virgo	8		27	20,10	3,190	103	34	2,4
25169	Coma	8		27	20,39	2,817	63	5	45,1
25170	Virgo	9		27	20,42	3,233	108	9	47,9
25171	Coma	8		27	20,48	2,817	63	5	43,6
25172	Virgo	9		27	22,36	2,944	75	51	38,0
25173	Virgo	6½		27	27,80	3,098	93	12	39,8
25174	Canes Venatici.	9		27	30,48	2,553	43	58	26,8
25175	Virgo	9		27	32,20	2,942	75	37	2,6
25176	Coma	6		27	32,97	2,830	64	21	41,9
25177	Virgo	7		27	35,12	3,040	86	35	34,6
25178	Virgo	8½		27	35,71	3,079	91	3	46,3
25179	Virgo	8½		27	49,05	3,181	102	31	53,6
25180	Virgo	9		27	49,87	3,141	98	4	1,7
25181	Hydra	8		27	59,27	3,291	113	50	14,4
25182	Hydra	7½	28	0,07	3,291	113	50	21,9	
25183	Canes Venatici.	9	28	2,80	2,767	58	53	28,4	
25184	Virgo	9	28	3,68	3,141	98	8	24,9	
25185	Virgo	8	28	4,69	2,940	75	31	30,4	
25186	Virgo	9	28	5,17	3,127	96	34	41,2	
25187	Virgo	9	28	9,83	3,069	89	58	27,9	
25188	Virgo	9½	28	10,79	3,191	103	33	12,2	
25189	Virgo	8	28	19,98	3,050	87	43	19,0	
25190	Virgo	7	28	20,64	2,932	74	40	22,4	
25191	Bootes	9	28	21,67	2,885	69	48	39,5	
25192	Virgo	8½	28	23,06	3,048	87	30	15,5	
25193	Canes Venatici.	6	28	32,52	2,686	52	40	57,2	
25194	Coma	8	28	32,75	2,804	61	10	14,1	
25195	Bootes	7	28	33,78	2,850	66	26	41,0	
25196	Hydra	9	28	34,74	3,304	114	58	11,6	
25197	Canes Venatici.	8	28	36,43	2,720	55	14	16,5	
25198	Virgo	8	28	36,59	3,083	91	30	30,6	
25199	Virgo	8	28	37,52	3,197	104	10	7,1	
25200	Canes Venatici.	9	13	28	40,92	+2,606	47	26	51,8

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25201	Virgo	8	13 28 41,20	+3,168	101 4 1,5	+18,576	157
25202	Virgo	9	28 45,44	3,159	100 2 37,6	18,575	156
25203	Virgo	7½	28 48,04	2,971	78 59 50,6	18,572	469
25204	Virgo	8	28 51,17	3,111	94 40 5,5	18,571	336
25205	Virgo	8½	28 51,99	3,143	98 19 25,5	18,570	154
25206	Virgo	8	28 52,06	3,201	104 35 34,0	18,570	160
25207	Virgo	8	28 55,40	3,011	83 24 50,7	18,568	336
25208	Canes Venatici.	8	28 56,35	2,607	47 32 8,8	18,568	161
25209	Canes Venatici.	7½	29 2,08	2,594	46 46 30,4	18,565	7
25210	Coma	7½	29 2,91	2,797	61 41 25,5	18,564	335
25211	Canes Venatici.	8½	29 3,82	2,718	55 13 17,4	18,564	161
25212	Bootes	8½	29 11,97	2,846	66 15 18,7	18,560	67
25213	Virgo	6½	29 13,80	3,210	105 25 31,3	18,558	233
25214	Canes Venatici.	9	29 14,06	2,641	49 47 37,4	18,558	339
25215	Virgo	8½	29 16,53	2,976	79 35 26,6	18,557	334
25216	Canes Venatici.	7½	29 19,09	2,640	49 47 30,2	18,555	339
25217	Virgo	7	29 19,70	2,966	78 27 55,9	18,555	469
25218	Virgo	9½	29 22,89	3,143	98 15 50,1	18,553	154
25219	Virgo	8	29 24,01	3,051	87 53 11,1	18,552	231
25220	Bootes	6½	29 24,19	2,892	70 42 42,2	18,552	71
25221*	Bootes	8	29 27,39	2,829	64 43 44,1	18,551	471
25222	Bootes	7½	29 30,33	2,831	64 50 48,2	18,549	471
25223	Virgo	9	29 39,93	2,926	74 14 49,6	18,544	73
25224	Virgo	6	29 42,77	2,963	78 14 0,5	18,542	469
25225	Bootes	9	29 46,21	2,898	71 22 53,4	18,541	72
25226	Canes Venatici.	8½	29 53,02	2,650	50 35 53,0	18,537	339
25227	Coma	9	29 53,85	2,803	62 25 14,1	18,536	335
25228	Virgo	8	29 58,90	2,944	76 12 6,0	18,533	158
25229	Canes Venatici.	8½	29 59,63	2,748	57 52 39,1	18,533	69
25230	Virgo	7½	30 2,35	3,110	94 32 42,0	18,531	336
25231	Virgo	9½	30 3,08	3,206	104 53 37,3	18,531	160
25232	Coma	7	30 4,96	2,801	62 17 32,9	18,530	335
25233	Virgo	9	30 8,60	2,945	76 22 31,2	18,528	158
25234	Canes Venatici.	.	30 9,35	2,707	54 42 48,5	18,527	61
25235	Canes Venatici.	9	30 10,94	2,727	56 13 47,0	18,526	161
25236	Virgo	8	30 16,40	3,041	86 49 3,9	18,523	337
25237	Hydra	6½	30 19,88	3,315	115 30 50,6	18,521	565
25238	Virgo	9	30 21,58	3,177	101 45 47,2	18,520	157
25239	Virgo	9	30 27,90	3,139	97 39 0,0	18,517	154
25240	Hydra	6½	13 30 30,82	+3,282	112 25 56,4	+18,515	235

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25241	Virgo	9	13 30 39,84	+3,041	86 52 4,9	+18,510	337
25242	Bootes	8	30 39,97	2,808	63 3 20,4	18,510	471
25243	Coma	9	30 42,67	2,801	62 30 7,1	18,508	335
25244	Virgo	8	30 49,34	3,155	99 26 10,2	18,505	156
25245	Bootes	8	30 51,91	2,848	66 44 51,8	18,503	67
25246	Virgo	9	30 52,11	3,042	86 54 5,9	18,503	337
25247	Virgo	8½	30 53,49	3,239	108 7 6,3	18,502	233
25248	Virgo	8½	30 55,60	3,210	105 9 21,3	18,502	160
25249	Canes Venatici.	7½	30 59,58	2,476	41 5 3,8	18,499	353
25250	Virgo	8	30 59,75	2,930	74 50 45,1	18,499	74
25251	Virgo	9½	31 0,87	2,925	74 24 32,5	18,498	73
25252	Virgo	8	31 1,57	2,978	79 54 1,9	18,498	334
25253	Virgo	7½	31 2,41	3,237	107 58 3,3	18,497	233
25254	Canes Venatici.	8½	31 2,68	2,770	59 57 16,3	18,497	62
25255	Bootes	8	31 5,93	2,879	69 46 37,9	18,496	71
25256	Bootes	6	31 6,81	2,871	69 1 38,3	18,496	68
25257	Bootes	7½	31 7,00	2,871	68 58 12,3	18,495	68
25258*	Virgo..... m	6	31 7,97	3,140	97 41 16,1	18,494	154
25259	Canes Venatici.	6	31 8,85	2,746	57 58 29,9	18,494	69
25260	Bootes	8	31 8,87	2,893	71 10 47,9	18,494	72
25261	Virgo	9½	31 17,96	3,208	104 54 35,2	18,489	160
25262	Virgo	8	31 19,14	3,126	96 14 14,8	18,488	153
25263	Virgo	9	31 23,38	3,269	111 1 49,8	18,485	234
25264*	Canes Venatici.	6½	31 24,50	2,781	60 54 59,2	18,485	62
25265	Canes Venatici.	8	31 26,84	2,721	56 7 42,7	18,484	161
25266	Bootes	8	31 27,11	2,911	73 3 15,0	18,484	72
25267	Virgo	9½	31 28,35	3,102	93 31 5,2	18,483	336
25268	Canes Venatici.	9	31 29,55	2,720	56 6 25,7	18,482	161
25269	Bootes	5½	31 34,25	2,843	66 29 10,4	18,480	67
25270	Virgo	9	31 35,31	3,124	95 57 9,9	18,479	153
25271	Virgo	8	31 40,76	3,017	84 12 31,8	18,476	336
25272	Ursa Major ..	6	31 44,89	2,354	36 3 53,4	18,474	354
25273	Virgo	8½	31 45,87	3,018	84 17 58,0	18,473	336
25274	Virgo	9	31 47,16	3,222	106 15 15,6	18,472	233
25275	Canes Venatici.	8½	31 48,96	2,616	48 59 28,6	18,471	161
25276	Virgo	9	31 50,19	2,936	75 38 0,2	18,471	158
25277	Virgo	8	31 55,27	3,164	100 17 13,1	18,468	156
25278	Canes Venatici.	9	31 56,06	2,529	43 59 40,1	18,467	352
25279	Virgo	9	31 56,46	3,112	94 40 20,2	18,467	336
25280	Virgo	8½	13 31 59,40	+3,040	86 47 38,6	+18,465	337

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25281	Bootes	9	13 32 3.13	+2,877	69 43 46.7	+18,463	71
25282	Virgo	8½	32 9.55	2,928	74 51 48.9	18,460	74
25283	Virgo	8	32 9.92	3,083	91 27 17.0	18,459	155
25284	Virgo	8	32 10.54	3,200	104 1 4.9	18,459	160
25285	Hydra	8	32 12.95	3,302	113 57 30.2	18,457	565
25286	Canes Venatici.	8	32 15.83	2,502	42 42 3.9	18,456	353
25287	Virgo	9	32 15.96	3,112	94 35 14.9	18,456	336
25288	Virgo	6	32 20.47	2,983	80 35 26.9	18,453	334
25289	Virgo	9	32 22.55	3,275	111 21 5.2	18,452	234
25290	Ursa Major ..	7½	32 26.13	2,344	35 52 20.0	18,450	354
25291	Virgo	8	32 30.33	3,230	106 59 48.6	18,448	233
25292	Bootes	8	32 38.36	2,840	66 21 56.0	18,443	67
25293	Virgo	7	32 41.69	3,071	90 11 34.9	18,441	333
25294	Virgo	8½	32 42.39	2,956	77 46 27.7	18,441	469
25295	Virgo	9	32 52.36	3,232	107 4 31.1	18,435	233
25296	Bootes	9	32 53.21	2,821	64 46 36.9	18,435	471
25297	Virgo o	6	33 0.66	3,028	85 26 35.9	18,430	336
25298	Canes Venatici.	8	33 1.12	2,728	57 6 55.6	18,430	69
25299	Virgo o	6	33 1.20	3,028	85 26 37.9	18,430	337
25300	Canes Venatici.	9	33 1.62	2,728	57 6 48.3	18,430	161
25301	Virgo o	9½	33 1.63	2,933	75 29 6.6	18,429	158
25302	Ursa Major ..	6	33 1.77	2,217	31 46 42.7	18,429	355
25303	Virgo	o	33 7.16	3,129	96 24 43.0	18,426	153
25304	Bootes	7½	33 7.38	2,831	65 39 47.2	18,426	67
25305	Virgo	9	33 8.95	3,171	100 53 52.1	18,426	156
25306	Canes Venatici.	9	33 9.86	2,614	49 13 6.4	18,425	161
25307	Canes Venatici.	8½	33 14.23	2,774	60 46 54.7	18,422	62
25308	Virgo	9½	33 14.51	3,119	95 21 55.9	18,422	153
25309	Canes Venatici.	9½	33 14.54	2,653	51 45 33.6	18,422	164
25310	Bootes	8	33 17.73	2,861	68 31 24.3	18,421	68
25311	Virgo	9	33 20.05	3,093	92 30 32.3	18,419	155
25312	Canes Venatici.	9	33 27.69	2,643	51 9 40.0	18,414	164
25313	Canes Venatici.	8½	33 30.00	2,571	46 46 10.2	18,413	7
25314	Virgo	6½	33 30.99	3,111	94 29 8.6	18,412	336
25315	Canes Venatici.	9	33 31.76	2,625	50 2 15.6	18,412	165
25316	Virgo	9	33 33.78	3,181	101 48 59.0	18,411	157
25317	Canes Venatici.	9	33 38.23	2,626	50 8 42.6	18,409	165
25318	Virgo	9½	33 38.30	3,182	101 56 2.5	18,408	157
25319	Virgo	8	33 38.68	3,200	103 44 54.5	18,408	160
25320	Virgo	8	13 33 39.54	+3,167	100 25 26.4	+18,408	156

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25321	Ursa Major ..	7½	13 33 39,56	+2,333	35 47 36,4	+18,408	354
25322	Hydra	6	33 39,85	3,312	114 29 21,2	18,407	565
25323	Virgo	7½	33 41,85	3,231	106 55 30,2	18,406	233
25324	Canes Venatici.	8½	33 43,50	2,781	61 32 4,7	18,405	335
25325	Canes Venatici.	9	33 44,62	2,673	53 16 24,7	18,405	164
25326	Canes Venatici.	.	33 45,30	2,699	55 8 29,2	18,404	61
25327	Canes Venatici.	8	33 45,88	2,699	55 8 32,4	18,404	161
25328	Bootes	8½	33 51,84	2,863	68 45 43,5	18,401	68
25329	Canes Venatici.	9	33 53,48	2,753	59 17 26,5	18,400	69
25330	Virgo	8½	33 54,54	3,229	106 42 8,9	18,399	233
25331	Bootes	7½	33 55,25	2,923	74 37 15,3	18,399	74
25332	Ursa Major ..	7½	33 55,59	2,342	36 12 39,7	18,398	354
25333	Canes Venatici.	7	33 56,00	2,578	47 18 48,7	18,398	161
25334	Bootes	9½	34 9,33	2,833	66 4 13,5	18,390	67
25335	Bootes	9½	34 9,33	2,833	66 4 13,4	18,390	67
25336	Bootes	7½	34 11,19	2,892	71 34 43,8	18,389	72
25337	Virgo	7½	34 15,30	3,054	88 17 7,3	18,387	231
25338	Bootes	6	34 17,68	2,824	65 17 8,5	18,385	67
25339	Virgo	8½	34 20,39	3,118	95 9 6,3	18,384	336
25340	Virgo	9½	34 22,84	2,945	76 54 31,2	18,382	158
25341	Virgo	8½	34 25,40	3,093	92 31 17,1	18,381	155
25342	Virgo	8	34 26,11	3,201	103 45 26,0	18,381	160
25343	Canes Venatici.	8½	34 27,98	2,632	50 43 55,0	18,379	165
25344	Hydra	6	34 28,67	3,321	115 6 15,4	18,379	235
25345	Hydra	5½	34 29,19	3,321	115 6 13,2	18,379	565
25346	Virgo	7	34 31,99	3,116	94 59 35,8	18,377	336
25347	Canes Venatici.	.	34 36,79	2,690	54 42 8,5	18,374	61
25348	Virgo	9	34 46,39	3,160	99 30 22,9	18,369	156
25349	Canes Venatici.	9	34 48,89	2,707	55 58 29,9	18,367	161
25350	Virgo	8	34 51,01	3,091	92 18 16,6	18,366	155
25351	Canes Venatici.	7	34 55,73	2,776	61 24 12,4	18,363	335
25352	Canes Venatici.	7	34 56,07	2,776	61 24 14,9	18,363	62
25353	Canes Venatici.	9	34 59,53	2,591	48 21 49,4	18,361	161
25354	Virgo .....	.	35 4,38	3,151	98 34 58,3	18,358	154
25355	Canes Venatici.	7	35 7,78	2,501	43 29 10,4	18,356	352
25356	Virgo	9	35 11,40	3,184	101 57 21,3	18,354	157
25357	Virgo	9	35 11,77	2,961	78 37 8,7	18,354	469
25358	Virgo	9	35 12,70	3,089	92 10 10,8	18,353	155
25359	Virgo	8	35 17,26	3,167	100 13 5,4	18,351	156
25360	Virgo	8½	13 35 19,52	+2,976	80 9 1,9	+18,349	334

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25361	Canes Venatici.	8½	13 35 19.88	+2,758	60 47.4	+18,349	62
25362	Bootes	9	35 20.40	2,857	68 31 1.9	18,348	68
25363	Virgo	6½	35 20.96	2,961	78 39 47.7	18,348	469
25364	Virgo	9	35 25.48	3,134	96 47 2.9	18,346	153
25365	Virgo	7	35 25.88	2,973	79 55 41.5	18,346	334
25366	Virgo	8	35 26.35	3,027	85 29 0.8	18,345	337
25367	Virgo	8	35 27.36	3,235	106 59 54.3	18,345	233
25368	Virgo	7	35 29.18	3,132	96 37 24.4	18,343	153
25369	Virgo	8½	35 30.35	2,989	81 33 58.7	18,343	287
25370	Bootes	8	35 30.54	2,879	70 37 28.0	18,343	71
25371	Bootes	9	35 33.50	2,903	72 54 1.0	18,341	72
25372	Bootes	8½	35 35.30	2,914	74 1 1.3	18,340	74
25373	Virgo	9	35 42.96	3,195	103 1 13.6	18,335	157
25374	Canes Venatici.	9	35 43.62	2,699	55 39 43.5	18,335	161
25375	Canes Venatici.	9	35 46.29	2,568	47 16 29.3	18,333	161
25376	Virgo	8½	35 51.53	2,942	76 43 50.7	18,330	158
25377	Canes Venatici.	9	35 52.34	2,564	47 3 55.1	18,330	161
25378	Virgo	8	35 56.43	3,116	94 52 8.4	18,327	336
25379	Bootes	8	35 58.42	2,904	73 2 1.1	18,326	72
25380	Virgo	7	36 4.78	3,011	83 52 28.7	18,322	336
25381	Ursa Major ..	7	36 7.94	2,345	36 55 29.7	18,321	354
25382	Virgo	8½	36 11.82	3,234	106 48 52.2	18,318	233
25383	Canes Venatici.	9	36 15.64	2,615	50 11 26.4	18,316	165
25384	Canes Venatici.	8½	36 16.14	2,722	57 30 0.3	18,315	69
25385	Bootes	9	36 19.80	2,832	66 28 47.4	18,313	67
25386	Bootes	9	36 19.80	2,832	66 28 47.4	18,313	67
25387	Virgo	7	36 20.50	3,250	108 14 50.4	18,313	233
25388	Virgo	8	36 20.68	3,261	109 16 48.9	18,313	234
25389	Virgo	9	36 24.34	3,187	102 5 47.8	18,311	157
25390	Bootes	9	36 30.72	2,919	74 32 49.7	18,307	74
25391	Virgo	6	36 33.79	3,235	106 51 4.4	18,305	233
25392	Virgo	6	36 33.88	3,235	106 51 6.4	18,305	233
25393	Virgo	9	36 36.91	3,262	109 21 41.6	18,303	234
25394	Bootes	7½	36 37.97	2,776	61 45 57.6	18,303	335
25395	Canes Venatici.	7½	36 38.85	2,677	54 20 39.7	18,302	61
25396	Virgo	6½	36 40.22	3,153	98 42 2.7	18,301	154
25397	Virgo	9	36 42.93	3,185	101 53 46.9	18,300	157
25398	Virgo	8	36 44.60	3,262	109 19 4.2	18,299	234
25399	Virgo	8	36 46.25	2,955	78 9 10.9	18,298	469
25400	Canes Venatici.	9	13 36 49.42	+2,672	54 4 2.5	+18,296	61

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25401	Bootes	8½	13 36 50,25	+2,905	73 14 28,1	+18,295	72
25402	Virgo	8	36 51,92	2,936	76 20 20,1	18,294	158
25403	Virgo	6½	37 0,21	3,124	95 41 51,1	18,289	333
25404	Virgo	6	37 3,36	2,999	82 38 17,2	18,287	287
25405	Bootes	7½	37 5,38	2,775	61 47 55,6	18,286	335
25406	Canes Venatici.	8	37 11,56	2,733	58 31 57,0	18,283	69
25407	Virgo	8	37 12,01	3,218	105 3 33,0	18,282	160
25408	Canes Venatici.	8	37 12,41	2,683	54 56 3,6	18,282	161
25409	Canes Venatici.	8½	37 12,98	2,538	46 0 50,5	18,282	8
25410	Canes Venatici.	6½	37 13,46	2,727	58 5 28,7	18,282	69
25411	Canes Venatici.	8	37 18,22	2,631	51 27 54,5	18,278	164
25412	Bootes	8	37 21,85	2,765	61 3 3,1	18,276	62
25413	Bootes	8	37 24,97	2,830	66 28 22,2	18,275	67
25414	Bootes	6	37 25,49	2,792	63 17 18,0	18,274	335
25415	Virgo	9½	37 25,56	3,172	100 28 23,1	18,274	156
25416	Bootes	6	37 26,01	2,792	63 17 23,0	18,274	471
25417	Canes Venatici.	8	37 29,63	2,572	47 57 16,5	18,272	161
25418	Virgo	8	37 30,74	2,953	78 3 25,7	18,271	469
25419	Virgo	9½	37 32,20	2,934	76 13 9,7	18,270	158
25420	Virgo	8	37 33,65	3,138	97 0 48,0	18,269	154
25421	Virgo	7½	37 33,65	3,138	97 0 46,1	18,269	153
25422	Canes Venatici.	6½	37 36,76	2,614	50 29 20,8	18,268	339
25423*	Canes Venatici.	6½	37 38,90	2,614	50 29 24,2	18,266	165
25424*	Canes Venatici.	7	37 43,15	2,570	47 54 15,4	18,264	161
25425	Bootes	8	37 44,99	2,868	69 56 13,7	18,263	71
25426	Bootes r	4½	37 45,38	2,884	71 32 29,0	18,262	72
25427	Virgo	8½	37 48,74	3,023	85 8 50,9	18,260	336
25428	Virgo n	6½	37 51,25	3,126	95 49 52,3	18,259	333
25429	Virgo	8½	37 54,24	2,982	80 59 43,0	18,257	334
25430	Virgo	9	37 55,02	3,170	100 18 14,4	18,256	156
25431	Virgo	7½	37 59,88	3,269	109 44 37,3	18,253	234
25432	Virgo	8½	38 2,64	3,104	93 33 53,7	18,252	336
25433	Bootes	8	38 7,55	2,864	69 41 21,4	18,249	71
25434	Virgo	8½	38 9,86	3,205	103 43 15,6	18,247	160
25435	Canes Venatici.	9	38 16,39	2,690	55 41 14,1	18,243	161
25436	Bootes	8	38 19,61	2,927	75 39 37,9	18,241	158
25437	Bootes	9	38 19,61	2,924	75 21 26,5	18,241	158
25438	Virgo	8½	38 19,66	3,140	97 11 9,5	18,241	154
25439	Virgo	8	38 19,74	3,140	97 11 7,5	18,241	153
25440	Virgo	6	13 38 19,82	+3,088	91 50 14,9	+18,241	155

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25441	Canes Venatici.	6	13 38 19,96	+2,610	50 27 6,6	+18,242	339
25442	Canes Venatici.	6	38 22,04	2,610	50 27 5,1	18,240	165
25443	Bootes	7	38 23,96	2,868	70 3 4,7	18,239	71
25444	Canes Venatici.	8½	38 26,01	2,569	48 2 35,5	18,238	161
25445	Virgo	9	38 27,95	3,091	92 10 32,7	18,236	155
25446	Virgo	8	38 35,68	3,206	103 45 36,8	18,232	160
25447	Virgo	6½	38 36,71	2,982	81 2 15,9	18,231	334
25448	Virgo	8½	38 43,23	3,075	90 35 17,3	18,227	333
25449	Ursa Major ..	8	38 47,53	2,212	33 5 34,9	18,225	355
25450	Virgo	8½	38 52,34	3,115	94 37 47,5	18,221	336
25451	Bootes	9	38 56,13	2,928	75 48 56,0	18,219	158
25452	Canes Venatici.	9	38 57,84	2,690	55 50 59,1	18,218	161
25453	Virgo	7	38 58,09	2,964	79 17 2,3	18,218	469
25454	Virgo	8	39 0,16	3,079	90 55 39,0	18,217	333
25455	Virgo	5½	39 1,79	3,242	107 7 53,0	18,216	233
25456	Bootes	8½	39 1,81	2,815	65 32 52,8	18,216	67
25457	Canes Venatici.	8	39 4,18	2,532	46 12 8,2	18,214	8
25458	Canes Venatici.	8	39 6,47	2,431	41 15 56,8	18,213	353
25459	Virgo	8	39 6,70	2,960	78 55 23,8	18,213	469
25460	Virgo	9	39 11,55	2,996	82 29 29,7	18,210	287
25461	Virgo	9	39 14,90	3,090	92 3 0,3	18,208	155
25462	Virgo	7½	39 16,31	3,273	109 52 5,1	18,207	234
25463	Bootes	9	39 17,52	2,803	64 38 21,2	18,206	471
25464	Bootes	8	39 26,00	2,734	59 8 14,6	18,201	62
25465	Bootes	7½	39 26,43	2,734	59 8 16,1	18,201	69
25466	Virgo	6½	39 29,22	2,997	82 39 17,9	18,199	287
25467	Bootes	7½	39 34,34	2,759	61 7 1,6	18,196	62
25468	Bootes	8½	39 44,94	2,879	71 18 18,4	18,189	72
25469	Canes Venatici.	.	39 47,27	2,689	56 1 16,0	18,188	162
25470	Canes Venatici.	6	39 48,04	2,543	46 56 48,7	18,187	8
25471	Virgo	6	39 48,52	2,976	80 35 30,1	18,187	334
25472	Bootes	8	39 49,97	2,877	71 7 15,2	18,186	72
25473	Bootes v	4½	39 50,08	2,899	73 12 14,5	18,186	74
25474*	Bootes	6½	39 51,65	2,929	75 59 25,0	18,185	158
25475	Bootes	7	39 57,61	2,769	62 0 55,4	18,182	335
25476	Virgo	8	39 58,74	3,275	109 59 7,0	18,181	234
25477	Virgo	7	40 2,98	3,135	96 35 48,6	18,178	153
25478	Bootes	6	40 7,11	2,927	75 48 37,8	18,176	158
25479	Bootes e	5	40 14,88	2,838	67 44 16,0	18,171	68
25480	Canes Venatici.	7	13 40 18,28	+2,535	46 39 32,3	+18,169	8

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25481	Bootes	8	13 40 19,33	+2,859	69 39 14,0	+18,168	71
25482	Bootes	9	40 20,36	2,923	75 30 53,3	18,168	158
25483	Virgo .....	.	40 20,70	3,137	96 47 10,1	18,167	153
25484	Hydra	6½	40 21,40	3,315	113 22 31,1	18,167	235
25485	Virgo	6	40 22,52	3,005	83 30 16,6	18,166	336
25486	Canes Venatici.	9	40 23,03	2,479	43 49 51,8	18,166	352
25487	Canes Venatici.	8	40 27,34	2,719	58 16 10,2	18,163	69
25488	Draco	9	40 27,49	1,878	25 28 0,3	18,163	385
25489	Bootes	8½	40 33,12	2,760	61 25 49,8	18,160	62
25490	Bootes	7	40 33,36	2,867	70 22 17,7	18,159	71
25491	Virgo	8	40 46,99	3,088	91 48 4,5	18,151	155
25492	Canes Venatici.	.	40 49,33	2,656	54 0 42,4	18,150	61
25493	Bootes	8½	40 49,44	2,876	71 11 56,0	18,149	72
25494	Bootes	7½	40 53,59	2,836	67 44 45,8	18,147	68
25495	Bootes	7½	40 56,04	2,838	67 51 36,9	18,145	68
25496	Virgo	9	40 58,14	3,054	88 26 30,7	18,144	231
25497	Virgo	9	40 59,97	3,132	96 15 25,4	18,143	153
25498	Canes Venatici.	7½	41 0,92	2,630	52 22 10,5	18,142	164
25499	Canes Venatici.	8	41 2,10	2,692	56 28 50,1	18,141	162
25500	Canes Venatici.	8½	41 5,28	2,658	54 13 16,6	18,140	61
25501	Virgo	8½	41 7,42	2,942	77 25 23,5	18,138	469
25502	Virgo	8	41 8,36	2,987	81 45 18,3	18,138	287
25503	Canes Venatici.	9	41 14,55	2,686	56 10 5,9	18,134	162
25504	Virgo	8	41 15,97	3,132	96 10 38,2	18,133	153
25505	Bootes	9	41 17,44	2,759	61 27 53,6	18,132	62
25506	Virgo	8	41 29,86	3,209	103 40 53,1	18,124	160
25507	Bootes	9	41 33,08	2,835	67 44 24,7	18,122	68
25508	Virgo	8	41 33,63	2,975	80 39 32,0	18,122	334
25509	Bootes	9	41 43,13	2,862	70 6 31,2	18,116	71
25510	Virgo	7½	41 45,03	3,253	107 42 52,5	18,115	233
25511	Virgo	9	41 48,14	3,225	105 10 9,8	18,113	160
25512*	Canes Venatici.	6½	41 51,24	2,523	46 26 42,7	18,111	8
25513	Bootes	7½	41 57,61	2,793	64 18 20,7	18,107	471
25514	Bootes	8	41 58,07	2,793	64 18 21,5	18,107	163
25515	Virgo	6½	42 0,23	2,956	78 52 6,5	18,105	469
25516	Bootes	8	42 0,32	2,762	61 52 26,0	18,105	335
25517	Virgo	7½	42 5,55	2,937	77 4 8,0	18,102	158
25518	Virgo	8	42 8,65	2,999	83 0 10,1	18,100	287
25519	Canes Venatici.	7	42 9,68	2,554	54 13 47,5	18,099	339
25520	Bootes	9	13 42 9,77	+2,816	66 14 15,8	+18,099	67

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25521	Bootes	9	13 42 13.41	+2,915	74 58 31.1	+18,097	74
25522	Canes Venatici.	7	42 14.04	2,654	54 13 53.3	18,097	61
25523	Canes Venatici.	6½	42 14.48	2,656	54 20 8.5	18,096	339
25524	Virgo	8½	42 18.05	3,020	85 6 27.4	18,094	336
25525	Canes Venatici.	5½	42 18.49	2,655	54 20 9.3	18,094	61
25526	Draco	8½	42 25.67	1,892	26 9 8.4	18,089	385
25527	Virgo	8	42 26.56	3,225	105 0 10.9	18,089	160
25528	Virgo	8	42 26.99	3,051	88 10 51.9	18,088	231
25529	Canes Venatici.	8½	42 27.92	2,528	46 50 58.9	18,088	8
25530	Virgo	8	42 29.95	3,138	96 44 13.4	18,087	154
25531	Virgo	6½	42 30.87	2,934	76 50 24.6	18,086	158
25532	Bootes	8	42 30.96	2,791	64 18 55.6	18,086	471
25533	Bootes	8½	42 31.62	2,791	64 18 57.3	18,086	163
25534	Canes Venatici.	9	42 38.45	2,635	53 5 15.8	18,081	164
25535	Canes Venatici.	9	42 45.44	2,671	55 30 43.0	18,077	162
25536	Virgo	8½	42 49.37	3,283	110 13 33.4	18,074	234
25537	Virgo	7½	42 51.06	3,095	92 32 48.9	18,073	155
25538	Canes Venatici.	6	42 52.19	2,657	54 33 32.7	18,073	339
25539	Virgo	9	42 52.71	3,044	87 29 29.4	18,072	231
25540	Bootes	6½	42 55.70	2,884	72 16 34.8	18,070	72
25541	Virgo	8	42 56.33	3,311	112 33 6.1	18,070	235
25542	Canes Venatici.	.	42 57.64	2,656	54 33 6.4	18,069	61
25543	Virgo	8	43 1.04	3,260	108 10 25.2	18,067	233
25544	Virgo	9	43 3.09	3,223	104 47 48.0	18,066	160
25545	Virgo	7½	43 11.03	3,122	95 11 27.7	18,061	336
25546	Virgo	7½	43 11.06	3,123	95 11 32.0	18,061	153
25547	Bootes	8½	43 11.81	2,876	71 36 33.9	18,060	72
25548	Bootes	8	43 13.49	2,804	65 26 34.8	18,059	67
25549	Canes Venatici.	7½	43 14.25	2,570	49 20 7.5	18,058	161
25550	Canes Venatici.	8	43 14.46	2,570	49 20 10.2	18,058	165
25551	Virgo	8	43 22.98	3,146	97 29 14.6	18,053	154
25552	Virgo	8½	43 24.61	3,023	85 12 52.8	18,052	337
25553	Bootes	8	43 28.57	2,805	65 36 21.9	18,049	67
25554	Virgo	9	43 29.02	3,050	88 5 16.5	18,049	231
25555	Virgo	8	43 29.33	3,180	100 42 12.9	18,049	156
25556	Virgo	6½	43 30.58	3,239	106 11 18.8	18,048	233
25557	Draco	8½	43 31.10	1,883	26 11 40.1	18,048	385
25558	Bootes	6	43 39.30	2,869	71 4 32.8	18,043	71
25559	Virgo	8½	43 44.47	3,119	94 46 57.5	18,039	336
25560	Bootes	13 43 46.54	+2,743	60 48 57.3	+18,038	62

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25561	Virgo	8½	13 43 50.57	+3,010	84° 11' 19.6	+18,035	336
25562	Virgo	9	43 51.52	3,289	110 31 3.6	18,035	234
25563	Bootes	8	43 52.14	2,748	61 10 57.1	18,034	335
25564*	Virgo	8	43 53.84	3,080	90 58 15.6	18,033	333
25565	Canes Venatici.	8	43 55.30	2,669	55 36 22.8	18,032	162
25566	Bootes	7½	43 56.63	2,750	61 21 58.0	18,031	335
25567	Bootes	8½	43 57.83	2,927	76 19 30.7	18,031	158
25568	Bootes	9	43 59.54	2,784	64 3 36.9	18,030	163
25569	Virgo	8	44 1.39	3,090	92 0 33.5	18,028	155
25570	Virgo	7½	44 2.67	3,027	85 51 7.7	18,028	337
25571	Virgo	9	44 4.22	3,315	112 40 34.2	18,027	235
25572	Virgo	7½	44 5.51	2,953	78 46 26.2	18,026	469
25573	Virgo	7½	44 5.51	2,954	78 52 11.3	18,026	469
25574	Virgo	7	44 5.58	3,263	108 13 36.4	18,026	233
25575	Bootes	6	44 5.70	2,736	60 21 44.8	18,025	62
25576	Virgo	9	44 9.07	3,264	108 20 11.1	18,024	233
25577	Virgo	9	44 16.73	2,953	78 44 59.2	18,019	469
25578	Virgo	8½	44 17.54	3,222	104 31 28.6	18,018	160
25579	Canes Venatici.	8½	44 18.19	2,553	48 42 33.7	18,018	161
25580	Bootes	8	44 18.53	2,914	75 10 28.9	18,017	74
25581	Virgo	8	44 19.83	3,105	93 28 5.9	18,016	336
25582	Bootes	7½	44 20.62	2,751	61 30 51.3	18,016	335
25583	Bootes	9	44 20.79	2,876	71 43 43.8	18,016	72
25584	Virgo	7½	44 26.07	2,981	81 27 57.4	18,013	287
25585	Bootes	9	44 26.39	2,774	63 19 45.5	18,012	471
25586	Virgo p	5½	44 26.67	3,075	90 30 40.6	18,012	333
25587	Canes Venatici.	8½	44 28.56	2,645	54 12 0.7	18,011	61
25588	Virgo	6½	44 29.87	3,143	97 4 4.3	18,010	153
25589	Virgo	7½	44 30.48	3,120	94 53 17.7	18,010	336
25590	Virgo	8	44 30.86	3,189	101 27 35.0	18,009	157
25591	Canes Venatici.	8	44 32.68	2,661	55 13 19.7	18,009	61
25592	Canes Venatici.	7½	44 33.12	2,661	55 13 21.4	18,008	162
25593	Virgo	8	44 33.96	3,118	94 44 21.3	18,008	336
25594	Canes Venatici.	7	44 39.20	2,551	48 40 16.6	18,004	161
25595	Virgo	8	44 48.47	2,998	83 4 58.5	17,998	336
25596	Virgo	8	44 48.63	3,230	105 9 16.0	17,998	233
25597	Bootes	8½	44 48.98	2,691	57 20 50.2	17,998	69
25598	Virgo	9	44 51.70	3,187	101 14 2.6	17,996	156
25599	Virgo	8½	44 51.80	3,187	101 14 4.0	17,996	157
25600	Virgo	8	13 44 52.75	+2,980	81 20 10.3	+17,995	287

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25601	Canes Venatici.	8½	13 44 54.57	+2,559	49 9 37.0	+17,994	161
25602	Canes Venatici.	9	44 55.27	2,559	49 9 42.6	17,994	165
25603	Virgo	9	44 56.46	3,229	105 4 24.6	17,993	233
25604	Bootes	8	44 58.26	2,835	68 21 52.6	17,992	68
25605	Canes Venatici.	6	45 0.12	2,515	46 49 32.1	17,991	8
25606	Bootes	8	45 2.27	2,737	60 40 55.9	17,990	62
25607	Virgo	8½	45 2.33	3,105	93 23 13.6	17,989	336
25608	Bootes 7	3	45 9.36	2,861	70 35 34.9	17,985	71
25609	Canes Venatici.	8	45 9.97	2,673	56 11 12.1	17,984	162
25610	Bootes	9½	45 10.10	2,778	63 48 10.3	17,984	163
25611	Virgo	7½	45 10.26	3,025	85 44 13.4	17,984	337
25612	Canes Venatici.	8½	45 11.72	2,545	48 30 11.4	17,983	161
25613	Virgo	8½	45 12.01	3,074	90 27 37.4	17,983	333
25614	Virgo	9	45 20.95	3,073	90 18 52.1	17,977	333
25615	Canes Venatici.	8½	45 24.27	2,541	48 17 41.2	17,975	161
25616	Bootes	7	45 24.32	2,714	59 5 44.7	17,975	69
25617	Virgo	8	45 31.55	3,266	108 14 47.4	17,971	233
25618	Bootes	8	45 35.49	2,710	58 48 20.4	17,968	69
25619	Virgo	8	45 38.03	3,044	87 29 27.0	17,966	232
25620	Virgo	7½	45 43.26	3,107	93 37 56.2	17,963	336
25621	Bootes	8	45 45.29	2,857	70 19 15.4	17,961	71
25622	Virgo	8	45 53.37	3,312	112 6 56.8	17,956	235
25623	Virgo	9	45 54.94	3,126	95 25 32.2	17,955	153
25624	Virgo	8	45 56.28	2,981	81 31 48.3	17,954	287
25625	Canes Venatici.	7½	45 57.22	2,603	51 56 16.2	17,954	164
25626	Ursa Major ..	7	46 1.26	2,386	41 8 18.1	17,951	353
25627	Bootes	9	46 1.76	2,872	71 43 5.4	17,951	72
25628	Virgo	9	46 9.71	3,173	99 47 9.2	17,946	156
25629	Bootes	6½	46 11.43	2,909	74 57 31.4	17,944	158
25630	Bootes	8	46 12.06	2,909	74 57 30.2	17,944	74
25631	Virgo	8	46 14.54	3,050	88 9 5.3	17,942	232
25632	Bootes	8½	46 15.47	2,912	75 15 50.8	17,942	158
25633	Virgo	6	46 17.11	3,048	87 57 52.9	17,941	232
25634	Virgo	7½	46 17.71	3,004	83 43 12.5	17,940	336
25635	Virgo	6	46 21.97	3,312	112 2 19.1	17,937	235
25636	Virgo	9	46 22.19	3,242	106 4 16.9	17,937	233
25637	Bootes	8	46 27.83	2,807	66 19 57.0	17,934	67
25638	Ursa Major ..	6	46 28.52	2,223	35 16 59.0	17,933	354
25639	Virgo	9½	46 30.99	3,138	96 32 44.4	17,932	153
25640	Canes Venatici.	8½	13 46 31.25	+2,535	48 14 55.8	+17,932	161

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25641	Virgo	6½	13 46 33.83	+3,028	86° 1' 39.7	+17,930	337
25642	Bootes	9	46 41.83	2,783	64 29 6.7	17,925	163
25643	Bootes	7½	46 58.31	2,764	63 5 44.3	17,914	163
25644	Bootes	7	46 58.35	2,764	63 5 44.7	17,914	335
25645	Bootes	6½	46 58.80	2,764	63 5 49.0	17,914	471
25646	Bootes	7½	47 0.38	2,727	60 20 35.0	17,912	62
25647	Bootes	8½	47 1.32	2,681	57 8 34.5	17,912	162
25648	Canes Venatici.	9	47 3.52	2,495	46 21 32.1	17,911	8
25649	Bootes	9	47 9.67	2,874	71 59 23.6	17,907	72
25650	Virgo	8	47 14.13	3,117	94 29 56.4	17,904	336
25651	Bootes	9	47 15.59	2,702	58 39 1.8	17,902	69
25652	Bootes	9	47 15.79	2,830	68 21 36.0	17,902	62
25653	Bootes	7	47 18.11	2,678	56 59 8.3	17,901	162
25654	Canes Venatici.	9½	47 19.16	2,535	48 28 5.9	17,900	161
25655	Hydra	6	47 19.72	3,338	113 59 11.4	17,900	234
25656	Virgo	9	47 21.21	3,004	83 46 36.5	17,899	336
25657	Canes Venatici.	8	47 24.14	2,555	49 33 4.5	17,897	165
25658	Bootes	6	47 26.01	2,742	61 31 18.2	17,896	62
25659	Bootes	9	47 26.40	2,794	65 27 50.8	17,895	67
25660	Bootes	5	47 26.46	2,742	61 31 21.0	17,895	335
25661	Virgo	8½	47 35.25	3,106	93 24 17.4	17,890	336
25662	Virgo	9	47 35.58	3,084	91 19 59.2	17,889	155
25663	Bootes	7	47 40.31	2,826	68 3 43.5	17,886	68
25664	Bootes	9	47 41.03	2,703	58 50 13.0	17,886	69
25665	Virgo	7	47 44.21	3,211	103 8 26.5	17,883	160
25666	Virgo	7½	47 45.25	3,211	103 8 27.3	17,883	157
25667	Bootes	8½	47 46.06	2,702	58 43 21.8	17,882	69
25668	Canes Venatici.	9	47 46.74	2,625	53 43 37.5	17,882	61
25669*	Virgo	7	47 54.36	3,005	83 53 55.7	17,877	337
25670	Bootes	8	47 57.76	2,678	57 8 5.3	17,874	162
25671	Bootes	8	47 59.25	2,930	77 3 14.9	17,874	158
25672	Bootes	7½	47 59.30	2,930	77 3 20.6	17,874	469
25673	Virgo	7½	47 59.90	3,030	86 14 4.1	17,873	337
25674	Bootes	8	48 1.85	2,795	65 38 43.9	17,872	67
25675	Bootes	8½	48 3.58	2,858	70 45 16.4	17,871	71
25676	Canes Venatici.	9	48 3.78	2,621	53 33 44.4	17,871	61
25677	Virgo	7	48 5.20	2,979	81 33 19.0	17,870	287
25678	Virgo	7	48 6.51	3,263	107 38 33.1	17,869	233
25679	Bootes	8½	48 9.52	2,754	62 35 48.0	17,867	335
25680	Bootes	8	13 48 10.39	+2,792	65 28 19.6	+17,866	67

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25681	Bootes	7	13	48	14.96	+2,881	72	48	47.2	+17,863	72
25682	Bootes	8		48	15.49	2,773	64	1	0.9	17,863	163
25683	Canes Venatici.	9		48	24.12	2,531	48	31	38.7	17,857	161
25684	Bootes	7		48	29.51	2,879	72	36	50.9	17,853	72
25685	Virgo	8		48	30.33	2,950	78	52	46.0	17,853	469
25686	Bootes	8½		48	41.41	2,662	56	12	38.4	17,846	162
25687	Canes Venatici.	8		48	45.52	2,453	44	44	11.4	17,843	352
25688	Hydra	6		48	49.48	3,342	114	1	27.6	17,840	234
25689	Hydra	6		48	49.94	3,342	114	1	34.0	17,840	235
25690	Bootes	8½		48	50.31	2,848	70	4	32.6	17,840	71
25691	Bootes	9		48	57.62	2,785	65	4	15.8	17,835	163
25692	Bootes	8		49	0.66	2,898	74	22	3.8	17,833	74
25693	Virgo	7		49	1.52	3,117	94	25	57.1	17,833	336
25694	Bootes	7½		49	5.45	2,664	56	31	10.6	17,831	162
25695	Bootes	9½		49	11.14	2,899	74	27	22.9	17,826	74
25696	Bootes	6		49	16.15	2,813	67	19	21.4	17,822	68
25697	Bootes	6		49	16.55	2,813	67	19	15.5	17,822	67
25698	Bootes	8½		49	18.51	2,659	56	15	6.2	17,821	162
25699	Virgo	9		49	22.17	3,187	100	48	10.4	17,818	156
25700	Virgo	8½		49	24.03	3,206	102	29	22.5	17,817	157
25701	Virgo	8		49	25.69	2,998	83	19	3.8	17,816	287
25702	Virgo	8		49	26.07	2,998	83	19	7.4	17,816	337
25703	Bootes	9		49	26.28	2,848	70	10	43.5	17,816	71
25704	Virgo	9		49	28.28	3,061	89	11	13.9	17,814	232
25705	Virgo	8		49	32.25	3,059	88	58	14.5	17,811	232
25706	Virgo	7		49	33.21	3,147	97	10	48.7	17,811	154
25707	Virgo	7		49	33.25	3,147	97	10	48.9	17,811	153
25708	Virgo	9		49	37.56	3,266	107	41	51.4	17,808	233
25709	Bootes	7½		49	40.86	2,774	64	19	35.9	17,806	163
25710	Virgo	8		49	40.96	3,223	103	58	23.1	17,806	160
25711	Virgo	8		49	49.07	3,010	84	26	50.5	17,800	337
25712	Bootes	8½		49	49.08	2,801	66	32	54.4	17,800	67
25713	Bootes	7		49	53.67	2,758	63	12	20.4	17,797	335
25714	Bootes	7½		49	53.74	2,758	63	11	20.8	17,797	163
25715	Virgo	8		49	59.58	3,013	84	44	57.0	17,793	337
25716	Virgo	9		50	0.51	3,239	105	20	53.5	17,793	233
25717	Virgo	8½		50	0.69	3,150	97	22	16.2	17,793	154
25718	Virgo	8		50	0.77	3,150	97	22	19.4	17,793	153
25719	Canes Venatici.	8½		50	0.93	2,517	48	10	37.1	17,792	161
25720	Bootes	9	13	50	4.62	+2,921	76	29	58.8	+17,790	158

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25721	Virgo	8	13	50	5.06	+3,008	84	19	21.2	+17,790	337
25722	Bootes	9		50	12.38	2,771	64	14	12.7	17,784	163
25723	Virgo	7½		50	12.69	3,030	86	20	49.1	17,784	337
25724	Virgo	8½		50	19.67	3,147	97	5	40.2	17,780	154
25725	Virgo	8		50	19.74	3,147	97	5	40.4	17,779	153
25726	Virgo	9½		50	23.59	3,223	103	53	4.6	17,777	160
25727	Virgo	8½		50	25.40	3,116	94	14	2.4	17,776	336
25728	Virgo	9		50	26.30	3,114	94	6	35.0	17,775	336
25729	Virgo	8½		50	29.69	3,151	97	28	46.5	17,773	154
25730	Virgo	9½		50	36.02	3,172	99	23	58.0	17,769	156
25731	Bootes	9		50	43.04	2,736	61	45	40.7	17,764	335
25732	Canes Venatici.	9½		50	46.14	2,514	48	12	9.9	17,762	161
25733	Canes Venatici.	7		50	49.64	2,389	42	25	30.3	17,759	353
25734	Canes Venatici.	9		50	56.56	2,580	51	49	31.1	17,755	164
25735	Bootes	8		50	57.25	2,737	61	53	10.9	17,754	335
25736	Hydra	6½		51	1.44	3,379	116	26	58.8	17,751	234
25737	Hydra	6		51	1.98	3,379	116	27	8.0	17,751	235
25738	Virgo	8½		51	14.69	2,994	83	3	17.1	17,742	287
25739	Virgo	8½		51	16.69	3,150	97	18	58.9	17,741	154
25740	Virgo	8½		51	17.34	3,121	94	41	38.6	17,741	336
25741	Virgo	9		51	17.53	3,150	97	18	59.0	17,741	153
25742	Virgo	8		51	17.56	3,082	91	6	27.3	17,741	333
25743	Virgo	8		51	20.73	3,014	84	54	26.1	17,738	337
25744	Bootes	8		51	21.35	2,913	75	54	46.7	17,738	158
25745	Canes Venatici.	7		51	25.68	2,486	46	58	30.4	17,735	8
25746	Virgo	6		51	26.61	2,961	80	7	54.1	17,734	334
25747	Virgo	5		51	28.49	3,042	87	28	51.1	17,733	232
25748	Virgo	5		51	28.68	3,042	87	28	52.1	17,733	337
25749	Canes Venatici.	8½		51	29.43	2,626	54	39	4.4	17,733	61
25750	Bootes	9		51	29.68	2,938	78	7	37.8	17,732	469
25751	Virgo	7		51	30.73	3,012	84	46	24.8	17,732	337
25752	Virgo	7½		51	32.65	3,283	108	50	9.5	17,730	233
25753	Virgo	7		51	33.96	2,956	79	43	38.4	17,729	334
25754	Ursa Major ..	8		51	35.45	2,206	35	55	2.5	17,728	354
25755	Virgo	8½		51	35.85	3,040	87	17	2.6	17,728	232
25756	Bootes	7½		51	38.47	2,905	75	17	45.9	17,726	158
25757	Virgo	9		51	40.00	3,181	100	6	28.5	17,725	156
25758	Bootes	7½		51	42.16	2,804	67	2	56.5	17,724	68
25759	Bootes	7½		51	42.21	2,804	67	2	51.6	17,723	67
25760	Bootes	9	13	51	43.44	+2,904	75	12	2.8	+17,723	158

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25761	Virgo	9	13 51 44.30	+3,254	106 23 12.9	+17,722	233
25762	Virgo	9	51 47.55	3,219	103 23 3.7	17,720	157
25763	Canes Venatici.	9	51 48.49	2,581	52 2 22.1	17,719	164
25764	Canes Venatici.	7½	51 55.76	2,543	49 59 44.8	17,715	165
25765	Canes Venatici.	9	52 3.11	2,508	48 12 59.6	17,709	161
25766	Virgo	9	52 3.29	3,113	93 55 35.4	17,709	336
25767	Canes Venatici.	9½	52 4.29	2,540	49 52 48.7	17,709	165
25768	Bootes	7	52 5.04	2,869	72 16 12.7	17,708	72
25769	Bootes	6½	52 5.38	2,858	71 21 12.2	17,708	71
25770	Bootes	6½	52 5.65	2,858	71 21 13.6	17,708	72
25771	Virgo	8½	52 5.86	3,040	87 20 8.6	17,708	232
25772	Bootes	6	52 6.44	2,731	61 38 28.4	17,707	335
25773	Hydra	9	52 7.94	3,347	113 49 0.6	17,706	235
25774	Virgo	6½	52 12.18	3,255	106 23 43.9	17,703	233
25775	Virgo	8½	52 12.76	3,083	91 13 20.4	17,703	333
25776	Virgo	8½	52 13.03	3,083	91 13 21.1	17,703	155
25777	Virgo	8½	52 14.93	3,258	106 37 59.2	17,701	233
25778	Canes Venatici.	8½	52 15.04	2,513	48 28 25.7	17,701	161
25779	Bootes	8	52 15.22	2,654	56 32 9.9	17,701	162
25780	Bootes	8	52 17.13	2,715	60 37 3.1	17,700	62
25781	Virgo	8½	52 24.42	3,080	90 57 40.5	17,695	155
25782	Virgo	8	52 25.17	3,080	90 57 32.8	17,694	333
25783	Virgo	8½	52 25.23	3,164	98 32 12.5	17,694	154
25784	Canes Venatici.	9	52 29.81	2,537	49 47 17.6	17,691	165
25785	Bootes	7	52 29.85	2,667	57 27 45.4	17,691	69
25786	Virgo .....	.	52 30.94	3,131	95 32 19.3	17,690	153
25787	Virgo	8	52 32.82	3,085	91 24 23.7	17,689	333
25788	Virgo	8	52 33.64	3,085	91 24 21.4	17,688	155
25789	Virgo	7	52 34.62	2,944	78 42 13.6	17,688	469
25790	Virgo	8	52 37.09	3,113	93 58 26.5	17,686	336
25791	Bootes	8	52 38.01	2,808	67 28 24.8	17,685	68
25792	Virgo	6	52 43.44	2,950	79 15 22.6	17,682	334
25793	Bootes	8½	52 44.89	2,651	56 26 41.7	17,681	162
25794	Virgo	7½	52 44.92	3,020	85 28 42.1	17,681	337
25795	Virgo	7	52 45.94	3,318	111 27 5.6	17,680	234
25796	Virgo	6½	52 46.00	3,318	111 27 12.9	17,680	235
25797	Virgo	7½	52 47.85	3,181	99 59 48.8	17,679	156
25798	Virgo	8	52 48.66	3,138	96 10 7.2	17,678	153
25799	Virgo	7½	52 53.04	3,178	99 45 38.0	17,675	156
25800	Bootes	8	13 52 56.13	+2,816	68 8 35.4	+17,673	68

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25801	Virgo	9	13 52 58.78	+2,943	78° 39' 23.4	+17,671	469
25802	Bootes	7½	52 59.75	2,589	52 48 3.4	17,671	164
25803	Bootes	7½	53 1.28	2,589	52 48 7.2	17,669	61
25804	Bootes	8	53 8.29	2,838	69 53 32.3	17,664	71
25805	Bootes	9	53 8.94	2,645	56 11 26.4	17,664	162
25806	Virgo	8	53 12.52	3,012	84 48 0.7	17,662	337
25807	Virgo	8	53 17.46	3,202	101 46 58.0	17,658	157
25808	Bootes	8	53 19.81	2,852	71 2 34.6	17,657	71
25809	Virgo	8	53 21.26	3,168	98 46 41.2	17,655	154
25810	Bootes	9	53 27.93	2,904	75 23 33.6	17,651	158
25811	Bootes	7½	53 28.42	2,510	48 36 36.6	17,651	161
25812	Bootes	9	53 38.00	2,799	66 59 21.0	17,646	67
25813	Virgo	6½	53 38.77	3,228	104 0 6.6	17,643	160
25814	Bootes	9½	53 38.87	2,516	48 57 39.8	17,643	161
25815	Bootes	8	53 39.25	2,766	64 27 45.3	17,643	163
25816	Virgo	6	53 41.37	2,974	81 29 3.2	17,642	287
25817	Bootes	7	53 41.86	2,662	57 22 19.0	17,641	69
25818	Virgo	6	53 42.86	2,937	78 13 39.8	17,640	469
25819	Bootes	7	53 43.72	2,588	52 54 45.3	17,640	164
25820	Virgo	9	53 44.26	3,166	98 33 41.5	17,640	154
25821	Bootes	7	53 44.81	2,588	52 54 48.2	17,639	61
25822	Virgo .....	.	53 45.12	3,131	95 29 53.0	17,639	153
25823	Virgo	6½	53 47.24	3,162	98 17 21.6	17,638	154
25824	Virgo	6	53 48.87	3,119	94 24 45.6	17,636	336
25825	Virgo	7½	53 48.88	2,964	80 32 38.5	17,636	334
25826	Virgo	8	53 53.53	3,132	95 35 8.3	17,633	153
25827	Virgo	6	53 53.87	3,004	84 7 51.4	17,633	337
25828	Bootes	9½	53 56.73	2,682	58 42 3.3	17,631	69
25829	Virgo	8½	53 57.58	3,130	95 25 32.8	17,630	153
25830	Virgo	7½	53 57.69	3,323	111 39 22.6	17,630	235
25831	Virgo	7½	53 58.14	3,323	111 39 15.0	17,630	234
25832	Bootes	9½	53 59.82	2,512	48 51 10.6	17,629	161
25833	Bootes	7½	54 0.34	2,442	45 28 15.1	17,628	8
25834	Bootes	8	54 2.74	2,764	64 25 57.1	17,627	163
25835	Bootes	7	54 3.65	2,793	66 32 6.5	17,626	67
25836	Bootes	7	54 11.20	2,931	77 44 57.1	17,621	469
25837	Bootes	7½	54 11.56	2,914	76 18 16.7	17,621	158
25838	Virgo	8	54 12.31	3,030	86 25 32.8	17,620	337
25839	Bootes	6	54 14.89	2,390	43 16 21.8	17,618	353
25840	Virgo	8	13 54 20.64	+3,136	95 54 41.1	+17,614	153

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25841	Virgo	7	13 54 20.89	+3,132	95 35 9.7	+17,614	336
25842	Virgo	7½	54 21.22	3,246	105 22 9.9	17,614	160
25843	Virgo	8½	54 23.88	3,131	95 30 42.5	17,612	336
25844	Bootes	7½	54 24.20	2,722	61 31 20.4	17,612	62
25845	Bootes	6½	54 24.66	2,722	61 31 21.0	17,611	335
25846	Bootes	8	54 25.31	2,641	56 13 5.1	17,611	162
25847	Virgo	7½	54 25.46	3,228	103 53 18.0	17,611	160
25848	Virgo	6	54 28.40	3,098	92 34 4.9	17,609	155
25849	Virgo	6½	54 29.59	3,031	86 44 14.3	17,608	337
25850	Virgo	9	54 39.87	3,070	90 1 7.5	17,601	333
25851	Virgo	8½	54 40.98	3,267	107 6 11.5	17,600	233
25852	Virgo	8½	54 41.20	3,005	84 15 58.6	17,600	337
25853	Virgo	8	54 41.25	3,267	107 6 16.8	17,600	234
25854	Virgo	9½	54 41.49	3,267	107 6 44.6	17,600	233
25855	Virgo	7½	54 44.86	2,980	82 2 13.9	17,598	287
25856	Bootes	8	54 45.36	2,510	48 55 39.5	17,597	161
25857	Bootes	8	54 45.96	2,510	48 55 43.3	17,597	165
25858	Virgo	8	54 49.18	2,998	83 37 15.3	17,594	337
25859	Bootes	8½	54 51.97	2,927	77 26 48.9	17,592	469
25860	Bootes	8½	54 53.09	2,613	54 36 47.5	17,591	61
25861	Libra	8½	54 56.38	3,353	113 46 31.9	17,589	235
25862	Hydra π	5	55 0.14	3,379	115 42 20.5	17,587	234
25863	Virgo	8½	55 0.55	3,069	89 57 2.2	17,587	333
25864	Virgo	8½	55 2.48	2,998	83 40 29.3	17,585	337
25865	Bootes	9	55 4.64	2,858	71 47 25.4	17,583	72
25866	Bootes	7½	55 6.32	2,833	69 51 5.8	17,582	71
25867	Bootes	9	55 8.93	2,799	67 38 48.4	17,581	68
25868	Virgo	8	55 9.34	3,204	101 44 15.4	17,581	157
25869	Virgo	8½	55 13.40	3,208	102 6 14.9	17,577	157
25870	Bootes	8	55 19.37	2,695	59 53 27.5	17,566	62
25871	Bootes	9½	55 33.38	2,919	76 53 10.2	17,563	158
25872	Virgo	9	55 36.51	3,145	96 36 34.1	17,561	153
25873	Bootes	7½	55 36.79	2,743	63 12 39.5	17,561	163
25874	Bootes	6½	55 37.39	2,743	63 12 41.6	17,560	335
25875	Virgo	8	55 37.64	3,261	106 29 34.1	17,560	233
25876	Bootes	9	55 39.39	2,558	51 39 43.8	17,559	164
25877	Bootes	9½	55 40.79	2,743	63 12 13.5	17,558	163
25878	Bootes	9	55 41.27	2,743	63 11 21.6	17,558	335
25879	Virgo	7	55 43.22	3,160	97 55 44.0	17,556	154
25880	Virgo	7	13 55 53.84	+3,222	103 14 28.7	+17,549	160

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25881	Bootes	9	13 55 55.49	+2,696	59 59 54.5	+17,548	61
25882	Virgo	9	55 58.05	3,221	103 8 7.0	17,546	157
25883	Virgo	8	56 2.27	3,190	100 32 19.3	17,543	156
25884	Bootes	8	56 20.36	2,945	79 8 43.0	17,530	334
25885	Virgo	7½	56 20.54	3,121	94 33 2.7	17,530	336
25886	Virgo	8	56 21.71	3,247	105 13 44.9	17,529	160
25887	Virgo	7½	56 22.03	3,247	105 13 43.9	17,529	233
25888	Virgo	7½	56 22.05	3,247	105 13 44.5	17,529	234
25889	Bootes	8	56 25.20	2,784	66 18 5.5	17,527	67
25890	Bootes	7½	56 25.53	2,934	78 12 42.6	17,526	470
25891	Virgo	8	56 26.54	3,115	94 1 7.3	17,525	336
25892	Virgo	7	56 27.79	2,979	82 1 56.7	17,525	287
25893	Bootes	9	56 29.76	2,641	56 38 28.1	17,523	162
25894	Virgo	8½	56 40.73	3,203	101 36 29.6	17,515	157
25895	Virgo	9	56 52.10	3,323	111 13 49.3	17,507	235
25896	Bootes	7½	56 55.39	2,791	66 52 15.1	17,505	67
25897	Bootes	6	56 57.49	2,858	72 4 12.3	17,504	72
25898	Bootes	7½	57 3.95	2,846	71 7 33.7	17,499	71
25899	Virgo	8	57 12.54	3,187	100 11 28.8	17,493	156
25900	Bootes	9	57 15.55	2,605	54 39 7.8	17,491	61
25901	Virgo	8	57 18.01	3,208	101 57 47.0	17,489	157
25902	Bootes	9½	57 24.06	2,740	63 19 10.3	17,485	163
25903	Bootes	7½	57 24.66	2,711	61 18 50.2	17,484	335
25904	Virgo	8	57 26.10	3,061	89 13 43.3	17,483	333
25905	Virgo	8	57 26.11	3,061	89 13 28.7	17,483	232
25906	Virgo	8	57 26.28	3,061	89 13 49.3	17,483	338
25907	Bootes	7½	57 27.01	2,353	42 26 51.4	17,482	353
25908	Bootes	8½	57 27.26	2,501	49 3 38.0	17,482	161
25909	Bootes	7½	57 34.19	2,663	58 11 12.8	17,478	69
25910	Bootes	8	57 36.14	2,406	44 41 51.4	17,476	8
25911	Virgo	7	57 36.77	3,059	89 6 4.0	17,476	338
25912	Virgo	7½	57 36.87	3,059	89 5 53.0	17,476	333
25913	Virgo	7½	57 37.28	3,059	89 5 48.5	17,475	232
25914	Virgo	8	57 39.35	3,113	93 47 9.6	17,474	336
25915	Virgo	8½	57 40.04	3,083	91 10 43.0	17,473	155
25916	Bootes	9	57 40.75	2,911	76 26 33.1	17,473	158
25917	Virgo	6½	57 47.20	3,196	100 52 15.2	17,468	156
25918	Bootes	8	57 55.14	2,789	66 52 11.6	17,463	68
25919	Bootes	7	57 57.56	2,699	60 36 12.6	17,461	62
25920	Virgo	9½	13 57 58.33	+3,111	93 36 20.1	+17,460	336

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25921	Bootes	8½	13 57 59,26	+2,912	76 30 50,1	+17,460	158
25922	Virgo	7	57 59,27	3,287	108 17 0,9	17,459	234
25923	Virgo	9	58 0,56	3,099	92 34 27,2	17,459	155
25924	Bootes	9	58 1,03	2,529	50 37 23,5	17,458	288
25925	Bootes	8	58 2,47	2,529	50 37 2,47	17,457	165
25926	Bootes	8	58 3,07	2,596	54 15 42,4	17,457	61
25927	Virgo	8	58 3,42	3,278	107 32 42,2	17,457	234
25928	Virgo	8	58 3,97	3,330	111 35 3,3	17,456	235
25929	Bootes	9	58 6,70	2,784	66 34 44,4	17,454	67
25930	Bootes	7	58 20,33	2,857	72 10 28,1	17,444	72
25931	Virgo	6	58 21,94	3,179	99 22 45,6	17,443	156
25932	Virgo	9	58 30,57	3,313	110 14 32,6	17,437	234
25933	Ursa Major ..	7	58 32,78	2,036	32 36 17,1	17,435	355
25934	Bootes	9	58 40,10	2,751	64 19 8,9	17,430	163
25935	Bootes	8	58 44,77	2,657	58 3 54,4	17,427	69
25936	Bootes	8½	58 47,45	2,858	72 19 14,1	17,425	72
25937	Bootes	9	58 49,52	2,479	48 16 33,1	17,423	161
25938	Bootes	8	58 52,53	2,853	71 56 13,7	17,421	72
25939	Bootes	8	58 54,94	2,800	67 50 49,6	17,420	68
25940	Virgo	9	58 56,50	3,315	110 16 53,9	17,418	234
25941	Bootes	8½	58 59,87	2,724	62 30 15,3	17,416	335
25942	Bootes	8½	59 0,96	2,781	66 28 42,1	17,415	67
25943	Bootes	7	59 5,11	2,756	64 43 43,3	17,412	163
25944	Bootes	8	59 5,99	2,721	62 16 3,1	17,411	335
25945	Bootes	8	59 12,58	2,449	46 56 34,9	17,406	8
25946	Virgo	7	59 16,05	2,972	81 39 34,7	17,404	287
25947	Virgo	6½	59 21,74	3,026	86 14 52,9	17,400	337
25948	Virgo	9	59 26,11	3,117	94 4 13,9	17,397	292
25949	Virgo	8½	59 26,39	3,117	94 4 12,1	17,397	336
25950	Bootes	9	59 26,39	2,913	76 48 8,2	17,397	158
25951	Bootes	8½	59 30,77	2,822	69 34 45,4	17,393	71
25952	Virgo	8	59 30,87	3,227	103 15 35,0	17,393	157
25953	Virgo	8	59 31,96	3,135	95 36 24,2	17,392	153
25954	Bootes	8½	59 33,98	2,143	35 43 58,8	17,391	354
25955	Bootes	8½	59 36,44	2,637	57 1 34,6	17,389	162
25956	Bootes	7½	59 39,16	2,938	78 47 35,2	17,387	470
25957	Virgo	7	59 39,55	3,066	89 41 49,1	17,387	333
25958	Virgo	7	59 39,82	3,066	89 41 50,1	17,387	338
25959	Bootes	9	59 40,73	2,554	52 17 41,2	17,386	164
25960	Bootes	7½	13 59 50,66	+2,937	78 47 17,2	+17,379	470

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			h m s	s	° ' "	"	
25961	Virgo	8	13 59 53.26	+3,012	85° 1' 41.4	+17,377	337
25962	Virgo	9	59 54.11	3,193	100 26 15.3	17,376	156
25963	Bootes	5½	59 54.12	2,406	45 11 18.2	17,376	352
25964	Bootes	4½	59 55.03	2,406	45 11 16.2	17,376	8
25965	Virgo	5½	59 56.16	3,253	105 20 57.8	17,375	160
25966	Virgo	5½	59 56.45	3,253	105 20 57.0	17,375	341
25967	Virgo	5½	59 56.73	3,253	105 20 56.1	17,374	233
25968	Virgo	9½	59 58.13	3,289	108 11 33.1	17,373	234
25969	Virgo	8	13 59 59.67	3,135	95 36 24.9	17,373	339
25970	Bootes	9	14 0 0.57	2,852	72 0 30.5	17,372	72
25971	Bootes	7½	0 2.04	2,871	73 25 19.0	17,370	74
25972	Bootes	9	0 3.57	2,608	55 22 7.8	17,370	61
25973	Virgo	8	0 5.10	3,122	94 30 12.0	17,369	292
25974	Virgo	7½	0 5.43	3,122	94 30 14.3	17,368	336
25975	Bootes	9	0 6.09	2,605	55 14 36.7	17,368	61
25976	Bootes	9	0 7.16	2,620	56 5 58.7	17,367	162
25977	Bootes	7½	0 11.48	2,807	58 34 25.1	17,364	61
25978	Bootes	8½	0 11.72	2,737	63 36 15.9	17,363	163
25979	Virgo	8	0 18.68	3,263	106 4 21.0	17,359	341
25980	Virgo	8½	0 19.04	3,263	106 4 17.1	17,358	233
25981	Bootes	7	0 19.45	2,294	40 49 56.6	17,358	353
25982	Bootes	8	0 23.12	2,816	69 18 24.9	17,355	71
25983	Virgo	9	0 24.90	3,206	101 28 59.4	17,354	157
25984	Virgo	8	0 25.22	3,200	100 59 51.1	17,354	156
25985	Bootes	9	0 26.53	2,769	65 53 27.0	17,353	67
25986	Bootes	7½	0 27.44	2,715	62 9 9.7	17,352	335
25987	Virgo	7	0 29.57	3,129	95 1 20.6	17,350	336
25988	Virgo	7	0 30.10	3,129	95 1 23.2	17,350	292
25989	Bootes	7½	0 35.90	2,730	63 12 3.9	17,346	335
25990	Virgo	6½	0 37.00	3,049	81 14 50.8	17,345	338
25991	Virgo	8	0 39.13	3,090	91 43 26.7	17,343	155
25992	Bootes	9	0 41.10	2,843	71 19 48.5	17,342	72
25993	Virgo	8	0 44.41	3,289	108 3 59.2	17,340	234
25994	Virgo	8	0 44.56	3,289	108 4 6.4	17,340	341
25995	Virgo	8	0 45.90	2,990	83 14 43.0	17,339	337
25996	Virgo	8	0 46.44	2,990	83 14 44.1	17,338	287
25997	Bootes	9½	0 52.83	2,892	75 13 28.9	17,333	158
25998	Virgo	8	0 54.93	3,275	106 55 53.7	17,332	341
25999	Virgo	8	0 55.20	3,007	84 38 49.6	17,332	337
26000	Bootes	7	14 0 56.29	+2,646	57 47 54.5	+17,331	70

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			h	m	s	s	°	'	''
26001	Bootes	8½	14	1	1,97	+2,403	45	18	8,7
26002	Bootes	7½		1	3,23	2,403	45	18	11,9
26003	Virgo	8		1	4,84	3,209	101	39	7,1
26004	Bootes	8		1	5,94	2,718	62	26	50,0
26005	Bootes	7½		1	7,47	2,873	73	45	31,1
26006	Libra	6½		1	7,55	3,362	113	24	49,7
26007	Virgo	8		1	8,90	3,040	87	28	32,0
26008	Bootes	8		1	9,70	2,484	49	29,1	
26009	Virgo	7		1	14,33	3,128	94	54	33,3
26010	Virgo	7		1	14,67	3,128	94	54	32,8
26011	Bootes	•		1	16,27	2,758	65	11	43,1
26012	Bootes	5		1	16,27	2,740	63	57	15,2
26013	Bootes	8		1	18,09	2,537	51	43	3,8
26014*	Bootes	8½		1	18,44	2,537	51	43	10,6
26015	Hydra	6		1	19,98	3,404	116	18	21,3
26016	Bootes	8		1	21,66	2,874	73	49	50,2
26017	Virgo	6		1	22,63	3,042	87	41	27,4
26018	Virgo	7		1	24,44	3,131	95	10	46,9
26019	Virgo	7		1	24,79	3,131	95	10	47,5
26020	Virgo	9		1	25,34	3,092	91	55	32,0
26021	Virgo	8½		1	34,48	3,128	94	55	28,2
26022	Bootes	8		1	34,56	2,701	61	24	50,0
26023	Virgo	8½		1	34,68	3,128	94	55	22,9
26024	Virgo	9½		1	34,88	3,206	101	22	14,8
26025	Bootes	9		1	35,46	2,895	75	29	29,1
26026	Bootes	9½		1	40,08	2,752	64	50	36,8
26027	Bootes	8		1	41,13	2,875	73	56	51,4
26028	Virgo	8		1	55,18	2,958	80	38	25,6
26029	Virgo	7		1	55,28	3,177	98	57	6,3
26030	Bootes	8		2	0,46	2,772	66	21	24,2
26031	Virgo	5		2	8,77	3,030	86	38	31,4
26032	Bootes	7		2	8,93	2,490	49	31	15,5
26033	Virgo	8½		2	10,88	3,094	92	1	23,1
26034	Bootes	7½		2	14,22	2,631	57	10	35,2
26035	Virgo..... x	4		2	14,87	3,181	99	20	5,4
26036	Virgo..... x	4		2	14,94	3,181	99	20	11,8
26037	Virgo..... x	4		2	15,00	3,181	99	20	5,1
26038	Virgo	8½		2	18,22	3,012	85	11	20,5
26039	Bootes	8½		2	19,91	2,491	49	37	24,6
26040	Virgo	7½	14	2	22,53	+3,226	102	54	42,0

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			h m s	s			
26041	Bootes	7½	14 2 24.49	+2,463	48° 16' 20.1	+17,266	161
26042	Virgo	8½	2 25.99	3,098	92 21 20.8	17,265	155
26043	Libra	9	2 31.66	3,338	111 31 32.2	17,260	235
26044	Bootes	6	2 33.99	2,623	56 45 33.8	17,259	162
26045	Bootes	8	2 48.61	2,430	46 53 7.7	17,248	8
26046	Bootes	7½	2 50.48	2,799	68 24 32.2	17,247	68
26047	Virgo	7	2 53.52	2,962	81 2 41.2	17,244	334
26048	Virgo	8	2 56.91	3,309	109 15 49.6	17,242	234
26049	Virgo	8	2 57.45	3,309	109 15 46.7	17,241	341
26050	Virgo	8½	2 58.76	3,226	102 52 31.8	17,240	157
26051	Virgo	8	3 0.47	3,220	102 23 49.8	17,239	157
26052	Bootes	8	3 1.54	2,924	77 59 25.8	17,238	470
26053	Bootes	7½	3 9.65	2,865	73 23 30.3	17,232	72
26054	Virgo	8	3 13.77	3,273	106 31 11.3	17,229	341
26055	Bootes	8	3 22.00	2,774	66 40 26.2	17,223	67
26056	Virgo	6	3 22.65	3,068	89 53 35.2	17,222	338
26057	Virgo	7½	3 24.46	2,993	83 39 20.4	17,221	337
26058	Bootes	7½	3 26.70	2,862	73 10 34.0	17,220	72
26059	Virgo	9	3 30.62	3,285	107 24 2.4	17,216	234
26060	Virgo	8	3 30.74	3,129	94 55 33.0	17,216	336
26061	Virgo	9	3 31.18	3,129	94 55 32.6	17,216	292
26062	Bootes	8½	3 31.33	2,753	65 14 20.7	17,216	163
26063	Bootes	8	3 33.14	2,679	60 20 13.5	17,214	165
26064	Bootes	6	3 33.91	2,423	46 42 49.3	17,214	8
26065	Virgo	-	3 34.96	3,161	97 34 24.4	17,213	154
26066	Virgo	8	3 42.13	3,286	107 29 18.7	17,208	234
26067	Libra	8	3 44.06	3,322	110 7 21.9	17,207	234
26068	Bootes	8½	3 44.55	2,904	76 28 44.9	17,206	158
26069	Virgo	8	3 46.28	3,143	96 6 48.0	17,205	339
26070	Libra	8	3 56.66	3,343	111 37 16.9	17,197	235
26071	Bootes	8½	3 56.76	2,857	72 52 27.5	17,197	72
26072	Virgo	6	3 57.18	3,130	95 0 37.3	17,197	336
26073	Virgo	6½	3 57.35	3,130	95 0 34.8	17,197	292
26074	Bootes	9	3 58.04	2,875	74 13 36.0	17,196	74
26075	Virgo	7½	3 58.31	2,972	81 56 0.5	17,196	287
26076	Bootes	6½	4 6.74	2,911	77 3 28.4	17,189	470
26077	Bootes	8½	4 7.18	2,655	58 56 46.7	17,189	70
26078	Bootes	9	4 7.30	2,753	65 19 25.7	17,189	163
26079	Bootes	8	4 7.80	2,419	46 38 34.1	17,189	8
26080	Virgo	9	14 4 12.97	+3,097	92 14 5.2	+17,185	155

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26081	Virgo	7½	14	4	15.51	+2,963	81 10 35.3	+17,183	334
26082	Virgo	6		4	24.27	3,284	107 15 34.4	17,179	234
26083	Virgo	6		4	24.48	3,284	107 15 38.9	17,176	341
26084	Bootes	9		4	25.85	2,805	69 1 35.6	17,175	58
26085	Bootes	8½		4	26.94	2,557	53 27 19.9	17,174	61
26086	Bootes	6		4	28.54	2,899	76 5 44.1	17,173	158
26087	Bootes	9		4	30.21	2,768	66 23 46.6	17,172	67
26088	Bootes	8		4	32.72	2,736	64 16 46.6	17,170	163
26089	Bootes	7½		4	34.23	2,811	69 28 36.0	17,168	71
26090	Virgo	8		4	38.87	3,208	101 18 9.8	17,165	157
26091	Virgo .....	.		4	39.34	3,208	101 18 11.5	17,165	156
26092	Bootes .....	.		4	45.56	2,872	74 4 26.7	17,160	74
26093	Virgo	6½		4	48.12	3,018	85 43 21.2	17,158	337
26094	Virgo	7½		4	55.93	3,257	105 8 30.4	17,152	341
26095	Virgo .....	.		4	56.15	3,257	105 8 36.0	17,152	160
26096	Virgo	8		4	57.28	3,024	86 15 35.3	17,151	337
26097	Virgo .....	.		4	59.83	3,208	101 15 1.2	17,149	156
26098	Virgo	8½		5	0.48	2,960	81 2 17.9	17,149	334
26099	Bootes	7½		5	2.39	2,668	59 57 13.9	17,148	165
26100	Bootes	5½		5	3.73	2,934	78 57 1.9	17,146	470
26101	Virgo	8		5	9.36	3,208	101 15 1.6	17,142	157
26102	Virgo	7½		5	9.93	3,152	96 43 31.7	17,142	340
26103	Bootes	7½		5	11.90	2,706	62 21 47.3	17,140	335
26104	Bootes	8		5	12.71	2,858	73 3 8.4	17,140	72
26105	Bootes	8		5	14.19	2,650	58 51 7.4	17,138	70
26106	Virgo	6½		5	16.34	3,020	85 55 56.7	17,137	337
26107	Bootes	8		5	18.43	2,942	79 37 15.6	17,135	334
26108	Bootes	9		5	23.35	2,516	51 28 58.4	17,131	164
26109	Bootes	8½		5	24.78	2,783	67 38 47.6	17,130	68
26110	Bootes	9		5	26.44	2,898	76 9 56.0	17,129	158
26111	Bootes	9		5	29.91	2,896	75 59 45.8	17,127	158
26112	Virgo	4		5	32.15	3,131	95 2 21.7	17,125	338
26113	Virgo	4		5	32.54	3,131	95 2 19.6	17,125	340
26114	Virgo	4		5	32.63	3,131	95 2 15.2	17,124	336
26115	Virgo	4		5	32.76	3,131	95 2 19.7	17,124	292
26116	Bootes	8		5	35.72	2,490	50 14 30.0	17,122	9
26117	Bootes	9		5	35.87	2,667	59 58 27.7	17,122	165
26118	Bootes .....	.		5	41.79	2,804	69 9 30.3	17,117	51
26119	Bootes	7		5	41.84	2,804	69 9 37.8	17,117	71
26120	Bootes	8	14	5	44.44	+2,707	62 32 3.4	+17,116	335

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			h m s	s	° ' "	"	
26121	Bootes	7	14 5 47,77	+2,483	49 56 55,8	+17,113	9
26122	Bootes	7½	5 51,69	2,750	65 22 30,3	17,110	163
26123	Virgo	9½	5 55,56	3,228	102 47 45,8	17,107	158
26124	Bootes	9	5 59,02	2,904	76 38 8,6	17,104	158
26125	Bootes	9	6 2,14	2,931	78 45 5,7	17,102	470
26126	Bootes	7½	6 12,63	2,312	42 44 5,8	17,094	353
26127	Bootes	8	6 17,51	2,903	76 36 22,4	17,090	158
26128	Virgo	9	6 18,38	3,232	103 4 46,9	17,090	158
26129	Bootes	5½	6 18,77	2,477	49 47 8,4	17,089	9
26130	Bootes	6	6 19,80	2,430	47 32 4,1	17,088	8
26131	Libra	7	6 23,05	3,311	109 1 39,8	17,086	341
26132	Bootes α	1	6 31,20	2,811	69 46 12,3	17,080	470
26133	Bootes α	1	6 32,18	2,811	69 46 10,2	17,079	335
26134	Bootes α	1	6 32,73	2,811	69 46 0,7	17,079	71
26135	Bootes α	1	6 33,11	2,811	69 46 1,1	17,078	72
26136	Bootes α	1	6 33,13	2,811	69 46 0,3	17,078	163
26137	Virgo	9½	6 36,82	3,232	103 2 8,7	17,075	158
26138	Bootes	7	6 39,80	2,816	70 9 0,2	17,073	71
26139	Bootes	7½	6 43,38	2,549	53 27 26,2	17,070	61
26140	Bootes	6½	6 51,13	2,747	65 22 25,7	17,064	67
26141	Bootes .....	.	6 53,34	2,783	67 49 15,4	17,063	68
26142	Bootes	9	6 53,36	2,550	53 31 2,1	17,063	61
26143	Bootes	6	7 14,85	2,798	68 56 20,7	17,046	152
26144	Bootes	9	7 21,87	2,761	66 23 16,8	17,041	67
26145	Bootes	8½	7 22,84	2,716	63 24 43,1	17,040	335
26146	Bootes	8½	7 23,17	2,518	52 1 4,3	17,040	164
26147	Virgo	6½	7 24,20	3,151	96 35 47,1	17,039	340
26148	Virgo	7	7 24,80	3,157	97 1 56,4	17,039	340
26149	Virgo	8½	7 28,73	3,132	95 2 20,4	17,036	292
26150	Libra	6½	7 36,05	3,296	107 46 55,0	17,030	341
26151	Bootes	8½	7 36,71	2,711	63 7 12,7	17,030	335
26152	Virgo	8	7 39,70	3,012	85 19 57,1	17,027	337
26153	Virgo	8	7 40,18	3,012	85 20 4,2	17,027	337
26154	Bootes	9	7 40,58	2,671	60 33 12,7	17,026	165
26155	Bootes	8	7 53,61	2,916	77 43 53,1	17,016	470
26156	Bootes	6½	7 54,75	2,864	73 48 15,5	17,015	74
26157	Virgo	8½	7 55,66	3,044	87 55 36,7	17,015	290
26158	Virgo	8½	7 56,79	3,044	87 55 30,3	17,014	338
26159	Bootes	9	8 0,83	2,884	75 19 42,4	17,011	158
26160	Bootes	8	14 8 1,89	+2,515	51 56 6,0	+17,010	164

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26161	Bootes	9	14	8	1,97	+2,835	71 41 38,0	+17,010	72
26162	Virgo	7½		8	10,11	3,145	96 4 52,5	17,004	340
26163	Bootes	8		8	12,75	2,882	75 9 44,2	17,002	158
26164	Bootes	8½		8	13,55	2,689	61 47 8,1	17,001	335
26165	Bootes	7		8	15,37	2,460	49 19 20,6	17,000	289
26166	Bootes	8		8	15,80	2,111	36 31 46,5	16,999	354
26167	Virgo	λ 4		8	18,12	3,226	102 26 29,8	16,997	160
26168	Virgo	λ 4		8	18,97	3,226	102 26 33,9	16,997	158
26169	Virgo	λ 4½		8	19,01	3,226	102 26 27,9	16,997	156
26170	Bootes	7		8	19,20	2,321	43 30 15,6	16,997	352
26171	Virgo	9		8	23,69	3,227	102 30 4,1	16,993	158
26172	Libra	7½		8	24,21	3,295	107 35 35,7	16,993	341
26173	Virgo	7		8	25,51	3,012	85 23 32,2	16,992	337
26174	Virgo	7		8	26,02	3,012	85 23 31,2	16,992	337
26175	Virgo	9		8	39,04	3,042	87 48 52,4	16,982	290
26176	Libra	9		8	39,42	3,328	109 56 41,8	16,981	234
26177	Virgo	8		8	45,26	3,231	102 46 45,3	16,976	158
26178	Bootes λ	4½		8	46,21	2,305	42 59 18,0	16,976	353
26179	Virgo	8½		8	49,20	3,009	85 10 27,7	16,973	337
26180	Virgo	8½		8	49,65	3,009	85 10 27,8	16,973	337
26181	Bootes	7		8	50,49	2,925	78 33 33,2	16,972	470
26182	Bootes	6		8	50,75	2,457	49 19 16,1	16,972	9
26183	Virgo	9		8	51,33	3,148	96 16 24,0	16,972	340
26184	Bootes	9		8	53,23	2,685	61 39 48,0	16,970	335
26185	Virgo	8		8	58,69	3,006	84 53 25,2	16,966	337
26186	Bootes	6½		9	5,45	2,778	67 45 50,9	16,961	67
26187	Bootes	7		9	5,99	2,778	67 45 50,8	16,960	68
26188	Virgo	7½		9	6,90	3,084	91 10 15,6	16,959	338
26189	Bootes	8		9	11,97	2,775	67 35 44,6	16,956	68
26190	Virgo	9		9	13,73	2,965	81 41 29,3	16,954	287
26191	Virgo	υ¹ 5		9	14,65	3,086	91 20 1,0	16,954	338
26192	Virgo	υ¹ 5		9	15,07	3,086	91 19 58,0	16,953	155
26193	Libra	8		9	15,43	3,382	113 34 45,2	16,953	235
26194	Bootes	6		9	16,24	2,778	67 45 47,8	16,952	67
26195	Bootes	8		9	16,76	2,833	71 43 6,7	16,952	72
26196	Virgo	8		9	16,80	3,122	94 12 59,0	16,952	292
26197	Bootes	8		9	17,92	2,367	45 30 44,3	16,951	8
26198	Virgo	6½		9	23,34	3,143	95 48 59,5	16,947	340
26199	Libra	7½		9	28,14	3,283	106 36 6,1	16,943	341
26200	Virgo	6	14	9	29,46	+3,053	88 41 14,1	+16,942	290

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26201	Bootes	5½	14	9	32.35	+2,541	53	33	43.6	+16,940	61
26202	Bootes	6		9	35.71	2,892	76	3	55.0	16,937	158
26203	Virgo	9½		9	39.48	3,167	97	45	38.8	16,934	154
26204	Bootes	8		9	39.70	2,498	51	24	39.2	16,934	164
26205	Virgo	7½		9	40.35	2,984	83	10	29.6	16,933	287
26206	Virgo	7½		9	40.80	3,008	85	3	54.4	16,933	337
26207	Bootes	7½		9	41.80	2,809	70	■	24.3	16,932	71
26208	Bootes	8		9	41.98	2,666	60	38	9.3	16,932	165
26209	Draco.....	7½		9	42.58	1,938	32	21	24.8	16,932	355
26210	Libra	8		9	45.65	3,308	108	24	28.8	16,929	341
26211	Bootes	9		9	49.17	2,449	49	9	31.1	16,927	289
26212	Bootes	6		9	49.76	2,449	49	9	29.7	16,926	9
26213	Bootes	8		9	52.19	2,866	74	8	12.4	16,924	74
26214	Libra	8		9	54.79	3,283	106	33	7.8	16,922	341
26215	Virgo	9		9	59.35	3,215	101	26	24.5	16,918	158
26216	Virgo	8	10		0.40	3,215	101	26	26.0	16,918	156
26217	Virgo	8	10		3.36	3,034	87	7	43.5	16,915	337
26218	Bootes	9	10		5.59	2,911	77	31	12.6	16,914	470
26219	Bootes	8	10		11.41	2,581	55	48	59.1	16,909	162
26220	Bootes	5	10		17.03	2,846	72	46	11.8	16,905	72
26221	Virgo	7	10		17.10	3,056	88	53	20.4	16,905	290
26222	Virgo	7	10		17.68	3,056	88	53	17.3	16,904	338
26223	Libra	9½	10		23.16	3,310	108	25	11.8	16,900	342
26224	Libra	8½	10		23.42	3,314	108	45	22.8	16,900	342
26225	Bootes	8½	10		26.76	2,801	69	34	13.6	16,897	71
26226	Bootes	7	10		29.55	2,949	80	29	25.4	16,894	334
26227	Virgo .....	.	10		32.65	3,203	100	28	20.3	16,892	156
26228	Bootes	9	10		38.68	2,626	58	25	53.4	16,888	70
26229	Bootes	8	10		41.79	2,470	50	18	23.9	16,885	289
26230	Virgo	9	10		44.17	3,004	84	47	6.8	16,883	337
26231	Virgo	9	10		46.19	3,089	91	34	20.3	16,882	155
26232	Virgo	7½	10		52.84	3,124	94	17	22.0	16,876	292
26233	Bootes	8½	10		56.74	2,878	75	10	2.4	16,873	74
26234	Bootes	6½	10		57.59	2,397	47	3	51.2	16,873	8
26235	Bootes	8½	11		0.36	2,702	63	4	58.2	16,871	335
26236	Bootes	8	11		9.16	2,493	51	27	46.9	16,864	164
26237	Virgo	9	11		11.19	3,168	97	44	59.5	16,862	154
26238	Virgo	9	11		15.65	3,088	91	27	42.9	16,859	155
26239	Bootes	6½	11		23.25	2,628	58	38	47.5	16,853	70
26240	Bootes	9	14	11	26.45	+2,828	71	34	6.9	+16,850	72

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26241	Libra	9	14 11 27.26	+3,209	100 53 15.6	+16,849	156
26242	Virgo	7	11 28.83	3,161	97 10 0.4	16,848	340
26243	Bootes	6	11 33.54	2,466	50 16 49.2	16,844	9
26244	Bootes	8	11 33.61	2,918	78 14 27.5	16,844	470
26245	Bootes	7	11 34.33	2,466	50 16 55.8	16,844	289
26246	Bootes	7½	11 34.37	2,692	62 30 8.4	16,844	335
26247	Hydra	6	11 35.62	3,437	116 49 11.6	16,843	234
26248	Hydra	5½	11 35.89	3,437	116 49 24.7	16,843	235
26249	Virgo u ¹	7	11 40.83	3,083	91 3 56.8	16,838	155
26250	Virgo u ²	6½	11 40.85	3,083	91 3 58.1	16,838	338
26251	Bootes	•	11 42.66	2,796	69 20 40.0	16,837	71
26252	Bootes	6	11 44.95	2,699	63 0 0.0	16,835	335
26253	Bootes	7½	11 44.98	2,699	63 0 2.5	16,835	163
26254	Bootes	8	11 46.09	2,908	77 25 50.3	16,835	470
26255*	Bootes	7	11 47.16	2,795	69 20 42.0	16,834	68
26256	Bootes	7	11 48.04	2,803	69 53 51.6	16,833	71
26257	Bootes	8	11 48.40	2,575	55 47 26.6	16,833	162
26258	Bootes	9	11 49.45	2,864	74 11 6.9	16,832	74
26259	Bootes	9	11 49.88	2,628	58 43 39.4	16,832	70
26260	Bootes	9	11 51.21	2,036	35 8 4.3	16,830	354
26261	Hydra	8	11 53.93	3,439	116 53 1.2	16,828	235
26262	Bootes	9	11 54.38	2,892	76 18 42.8	16,828	158
26263	Bootes	8	11 56.78	2,569	55 29 44.4	16,826	162
26264	Bootes	9	11 59.48	2,826	71 28 27.7	16,824	72
26265	Libra	8½	11 59.81	3,213	101 8 17.8	16,824	158
26266	Libra	7½	12 0.90	3,216	101 20 57.7	16,823	158
26267	Virgo	7	12 4.45	3,157	96 50 27.4	16,820	340
26268	Bootes	8½	12 6.93	2,729	64 56 28.4	16,818	163
26269	Bootes	9	12 15.96	2,896	76 35 13.1	16,810	158
26270	Bootes	9	12 21.66	2,573	55 47 4.5	16,806	162
26271	Bootes	8	12 21.73	2,800	69 42 43.2	16,806	71
26272	Bootes	7½	12 28.52	2,513	52 41 4.5	16,800	164
26273	Virgo	6½	12 32.39	3,066	89 43 1.9	16,798	338
26274	Bootes	9½	12 33.41	2,728	64 56 1.2	16,797	163
26275	Virgo	7½	12 35.42	3,029	86 48 22.6	16,795	337
26276	Bootes	8½	12 37.26	2,877	75 14 53.2	16,793	158
26277*	Libra	6	12 40.68	3,209	100 47 35.2	16,791	158
26278	Virgo	8½	12 40.70	3,138	95 18 50.3	16,791	292
26279	Virgo	9	12 41.02	3,142	95 36 43.6	16,791	340
26280	Libra	6	14 12 41.25	+3,209	100 47 35.1	+16,790	156

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26281	Bootes	8	14 12 42,17	+2,793	69° 16' 24,6	+16,790	68
26282	Bootes	8	12 42,67	2,793	69 16 19,6	16,789	71
26283	Libra	7½	12 52,23	3,320	108 52 53,5	16,783	342
26284	Bootes	7½	12 53,53	2,457	50 5 39,5	16,781	9
26285	Bootes	8½	12 54,12	2,457	50 5 35,3	16,780	289
26286	Virgo	8	12 59,41	3,003	84 47 52,5	16,776	337
26287	Libra	7½	13 1,03	3,269	105 11 4,5	16,775	160
26288	Libra	7	13 1,31	3,269	105 11 3,0	16,774	341
26289	Virgo	6	13 2,29	3,042	87 48 48,8	16,774	290
26290	Bootes	8½	13 8,26	2,838	72 31 5,7	16,769	72
26291	Bootes	9½	13 11,21	2,875	75 9 47,0	16,766	159
26292	Bootes	8	13 17,40	2,861	74 8 31,4	16,761	74
26293	Libra	8	13 18,77	3,319	108 45 55,7	16,761	342
26294	Bootes	9	13 19,96	2,636	59 26 3,4	16,760	165
26295	Bootes	9½	13 21,71	2,565	55 30 14,0	16,758	162
26296	Bootes	9	13 22,31	2,509	52 40 47,3	16,758	164
26297	Bootes	8	13 23,43	2,825	71 37 40,5	16,757	72
26298	Libra	6	13 25,61	3,395	113 53 20,3	16,755	235
26299	Libra	6	13 26,22	3,395	113 53 28,4	16,755	472
26300	Bootes	7	13 26,37	2,640	59 42 39,5	16,755	165
26301	Bootes	8	13 31,74	2,703	63 31 50,6	16,750	163
26302	Bootes	5	13 32,62	2,948	80 38 9,2	16,750	334
26303	Bootes	8½	13 34,85	2,830	71 58 23,9	16,748	72
26304	Libra	9	13 37,53	3,251	103 52 18,3	16,746	160
26305	Bootes	8½	13 49,45	2,523	53 26 5,0	16,736	61
26306*	Libra	8	13 54,02	3,251	103 47 54,0	16,732	160
26307	Libra	7	13 56,99	3,210	100 45 13,8	16,730	156
26308	Virgo	7½	14 3,22	2,982	83 15 41,7	16,725	287
26309	Virgo	7½	14 3,41	2,982	83 15 50,5	16,725	337
26310	Bootes	8	14 3,43	2,582	56 34 39,8	16,725	162
26311	Bootes	6½	14 7,82	2,705	63 44 56,8	16,721	163
26312	Bootes	6	14 9,57	2,951	80 50 20,5	16,720	334
26313	Bootes	8	14 10,74	2,750	66 38 34,2	16,719	67
26314	Virgo	8	14 13,82	3,151	96 15 15,5	16,716	340
26315	Virgo	5½	14 14,71	2,982	83 15 52,6	16,716	337
26316	Virgo	6	14 14,73	2,982	83 15 56,0	16,716	287
26317	Virgo	7	14 16,26	3,051	91 25 43,7	16,714	338
26318	Virgo	7	14 16,74	3,086	91 15 42,8	16,714	155
26319	Libra	7½	14 19,21	3,325	109 3 4,3	16,712	342
26320	Libra	7	14 14 21,51	+3,325	109 3 19,5	+16,710	342

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26321	Bootes	8	14 14 21,69	+2,910	77° 50' 16,7	+16,710	470
26322	Bootes	8	14 21,72	2,910	77 50 7,7	16,710	470
26323	Virgo	9	14 22,31	3,110	93 6 48,5	16,709	292
26324	Draco.....	8	14 27,37	1,880	31 53 50,7	16,705	355
26325	Bootes	6	14 28,46	2,952	80 59 43,7	16,704	334
26326	Libra	9	14 33,63	3,243	103 10 25,7	16,700	158
26327	Libra	8	14 41,31	3,357	111 12 53,5	16,694	234
26328	Libra	8	14 41,36	3,357	111 12 53,3	16,694	235
26329	Bootes	7	14 42,83	2,840	72 48 44,6	16,693	72
26330	Bootes	9	14 49,79	2,876	75 21 23,9	16,687	159
26331	Bootes	9	14 50,73	2,747	66 32 2,9	16,686	67
26332	Bootes	9	14 52,03	2,571	56 5 41,1	16,685	162
26333	Bootes	9	14 54,11	2,705	63 51 20,7	16,684	163
26334	Libra	8½	14 57,80	3,390	113 18 12,5	16,681	472
26335	Bootes	7½	14 58,13	2,672	61 48 48,2	16,681	335
26336	Libra	8	14 58,61	3,274	105 23 10,4	16,680	160
26337	Libra	8	14 59,08	3,274	105 23 16,9	16,680	341
26338	Bootes	8	15 3,96	2,764	67 37 54,9	16,676	68
26339	Virgo	7	15 4,93	2,985	83 28 14,8	16,675	337
26340	Bootes	9	15 5,87	2,581	56 42 21,7	16,674	162
26341	Bootes	6	15 8,53	2,669	61 40 22,0	16,672	335
26342	Bootes	7½	15 11,67	2,688	63 22 46,1	16,669	163
26343	Bootes	8	15 12,82	2,625	59 6 57,8	16,669	70
26344	Bootes	8	15 12,94	2,625	59 6 59,6	16,668	165
26345	Bootes	8½	15 14,59	2,029	35 33 43,1	16,667	354
26346	Virgo	8½	15 18,13	3,006	85 8 24,0	16,664	337
26347	Bootes	7½	15 23,23	2,439	49 44 55,5	16,660	289
26348	Bootes	8½	15 31,22	2,492	52 13 32,4	16,654	164
26349	Libra	9	15 31,50	3,311	107 54 40,2	16,653	342
26350	Bootes	9	15 33,04	2,615	58 37 31,1	16,652	70
26351	Virgo	8	15 34,88	3,106	92 48 10,2	16,651	155
26352	Bootes	7	15 34,92	2,764	67 43 42,9	16,651	68
26353	Bootes	8½	15 37,25	2,744	66 24 54,4	16,648	67
26354	Libra	8½	15 38,96	3,355	110 57 30,5	16,647	234
26355	Bootes	8½	15 42,49	2,810	70 50 0,6	16,645	71
26356	Virgo	7	15 46,09	3,045	88 5 45,0	16,641	290
26357	Bootes	9	15 46,73	2,696	63 24 45,9	16,641	163
26358	Bootes	7	15 46,99	2,339	45 37 35,2	16,641	8
26359	Virgo	8	15 48,06	3,067	89 46 48,6	16,640	338
26360	Bootes	9	14 15 51,38	+2,625	59 15 29,5	+16,637	165

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26361	Bootes	9	14	15	51,39	+2,625	59	15	26,8	+16,637	70
26362	Libra	8		15	56,06	3,295	106	44	33,4	16,633	341
26363	Virgo	9		15	57,14	2,986	83	36	5,0	16,633	337
26364	Bootes	8		15	59,60	2,357	46	22	41,8	16,630	8
26365	Virgo	7½		16	4,33	2,979	83	7	40,6	16,626	287
26366	Bootes	8		16	8,16	2,963	81	51	23,4	16,623	287
26367	Bootes	8½		16	8,89	2,822	71	40	19,8	16,623	72
26368	Bootes	9		16	10,12	2,687	62	55	38,3	16,622	335
26369*	Bootes	7		16	11,83	2,482	51	52	54,9	16,620	164
26370	Libra	8		16	18,54	3,359	111	5	8,5	16,615	234
26371	Bootes	8		16	24,09	2,356	46	25	43,7	16,610	8
26372	Bootes	8		16	25,59	2,878	75	38	57,8	16,609	159
26373	Bootes	8		16	26,13	2,869	75	□	22,7	16,609	74
26374	Libra	8		16	28,64	3,269	104	54	22,6	16,607	160
26375	Hydra	5½		16	28,66	3,478	118	34	35,1	16,607	235
26376	Libra	7½		16	29,21	3,256	103	55	40,0	16,606	160
26377	Bootes	8		16	34,95	2,865	74	44	56,3	16,602	74
26378	Bootes	8½		16	36,15	2,748	66	48	3,7	16,601	67
26379	Bootes	8		16	42,45	2,568	56	17	35,9	16,595	162
26380	Bootes	8½		16	43,78	2,739	66	15	46,0	16,594	67
26381	Virgo	7		16	44,83	2,979	83	9	6,5	16,594	287
26382	Virgo	8		16	50,07	3,043	87	56	43,6	16,589	290
26383	Bootes	9		16	51,02	2,875	75	28	6,5	16,588	159
26384	Bootes	8½		16	52,47	2,794	69	52	56,1	16,587	71
26385	Virgo	7½		16	53,11	3,035	87	22	38,2	16,587	337
26386	Virgo	6		16	54,37	3,138	95	12	32,3	16,586	292
26387	Virgo	6		16	55,55	3,138	95	12	38,0	16,585	340
26388	Libra	7½		16	55,65	3,236	102	27	2,2	16,584	158
26389	Bootes	7		16	56,88	2,947	80	42	37,9	16,584	334
26390	Bootes	9		16	57,91	2,571	56	27	47,9	16,582	162
26391	Bootes	6½		16	58,34	2,683	62	49	25,0	16,582	335
26392	Bootes	7½		16	59,48	2,683	62	49	26,7	16,581	66
26393	Virgo	8		17	2,14	3,081	90	49	55,9	16,579	338
26394	Bootes	8½		17	2,50	2,791	69	42	49,8	16,579	71
26395	Libra	8		17	6,15	3,341	109	49	32,6	16,576	234
26396	Bootes ....f	5½		17	9,01	2,793	69	52	4,0	16,574	71
26397	Libra	8		17	11,25	3,291	106	23	19,3	16,572	341
26398	Bootes	7½		17	15,03	2,925	79	6	31,2	16,569	470
26399	Bootes	7		17	15,39	2,925	79	6	33,2	16,568	334
26400	Bootes	8	14	17	16,32	+2,834	72	40	36,7	+16,568	72

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26401	Bootes	8	14 17 17,81	+2,210	41 15 22,1	+16,566	353
26402	Virgo	8	17 18,45	2,988	83 49 7,2	16,566	337
26403	Bootes	6½	17 18,78	2,452	50 41 50,0	16,566	289
26404	Bootes	6	17 19,31	2,452	50 41 44,4	16,565	9
26405	Bootes	8	17 26,17	2,757	67 30 16,2	16,560	58
26406	Bootes	7½	17 34,05	2,683	62 53 19,0	16,553	335
26407	Bootes	8½	17 34,92	2,683	62 53 16,6	16,552	66
26408	Bootes	8	17 34,93	2,891	76 42 36,0	16,552	159
26409	Virgo	8	17 40,85	3,081	90 51 37,9	16,548	338
26410	Libra	8	17 41,70	3,287	106 3 37,4	16,547	341
26411	Virgo	7½	17 43,14	3,097	92 5 53,0	16,545	155
26412	Virgo	7½	17 43,47	3,010	85 28 23,3	16,545	337
26413	Libra	8	17 44,37	3,289	106 10 28,0	16,544	341
26414	Libra	8	17 51,93	3,191	99 5 56,5	16,538	154
26415	Virgo..... φ	4½	17 54,44	3,089	91 19 23,9	16,536	338
26416	Virgo	8	17 55,17	3,002	84 51 56,0	16,536	337
26417	Bootes	7½	17 57,82	2,857	74 20 24,4	16,533	74
26418	Hydra	6	18 1,79	3,425	115 6 45,8	16,530	472
26419	Bootes	8½	18 5,92	2,564	56 17 44,5	16,526	162
26420	Bootes	8	18 8,29	2,680	62 47 2,8	16,525	335
26421	Bootes	9	18 8,98	2,894	76 59 12,2	16,524	159
26422	Virgo	5½	18 9,83	3,149	95 59 40,2	16,524	340
26423	Bootes	9	18 15,73	2,738	66 22 52,7	16,518	67
26424	Libra	8	18 16,40	3,290	106 12 51,3	16,518	341
26425	Libra .....	.	18 17,30	3,266	104 29 20,3	16,517	160
26426	Virgo	7	18 21,35	3,127	94 19 4,1	16,514	292
26427	Virgo	7	18 27,84	3,030	86 58 35,4	16,509	338
26428	Bootes	8½	18 29,68	2,831	72 32 23,2	16,507	72
26429	Bootes	9	18 30,73	2,552	55 42 49,8	16,506	162
26430	Virgo	8	18 32,04	3,008	85 20 5,0	16,505	338
26431	Bootes	8	18 33,49	2,004	35 30 11,3	16,504	354
26432	Virgo	9	18 41,53	2,977	83 5 2,1	16,497	287
26433	Virgo	9	18 43,18	3,123	94 2 8,2	16,496	292
26434	Virgo	8	18 43,27	3,036	87 27 54,3	16,496	290
26435	Bootes	7½	18 45,69	2,836	72 58 2,6	16,494	72
26436	Bootes	8	18 47,79	2,919	78 46 8,6	16,493	470
26437	Libra .....	.	18 48,96	3,199	99 39 52,6	16,491	156
26438	Bootes	9	18 49,02	2,524	54 22 28,4	16,491	61
26439	Bootes	8	18 49,64	2,843	73 25 37,9	16,490	74
26440	Virgo	6½	14 18 53,14	+3,008	85 22 45,9	+16,488	337

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26441	Virgo	6½	14 18 53,26	+3,008	85 22 47,1	+16,487	338
26442	Bootes	9	18 57,76	2,769	68 26 54,8	16,484	■
26443	Bootes	8½	19 3,07	2,841	73 20 19,8	16,479	74
26444	Bootes	8	19 5,05	2,934	79 55 39,2	16,477	334
26445	Bootes	7½	19 5,17	2,673	62 30 20,3	16,477	335
26446	Bootes	8½	19 11,91	2,929	79 32 55,7	16,472	334
26447*	Libra	7½	19 12,42	3,371	111 32 45,0	16,471	235
26448	Bootes	8	19 14,32	2,626	59 50 2,2	16,470	165
26449	Bootes	8	19 14,42	2,557	56 8 45,0	16,470	162
26450	Bootes	8½	19 16,91	2,936	80 2 48,6	16,468	334
26451	Bootes	8	19 17,93	2,707	64 35 11,3	16,467	163
26452	Bootes	8	19 18,17	2,707	64 35 16,0	16,467	66
26453	Libra	7½	19 18,59	3,265	104 21 6,4	16,467	160
26454	Bootes	7½	19 20,08	2,908	78 3 19,6	16,465	470
26455	Bootes	8½	19 23,15	2,893	76 58 45,9	16,463	159
26456	Bootes	8	19 28,28	2,579	57 18 35,7	16,458	70
26457	Libra	8	19 33,70	3,417	114 24 59,9	16,454	472
26458	Libra	9	19 36,07	3,374	111 39 42,8	16,452	235
26459	Virgo	7	19 36,38	3,114	93 20 45,7	16,452	155
26460	Virgo	7	19 36,40	3,114	93 20 50,3	16,452	292
26461	Bootes	8½	19 36,97	2,504	53 30 58,3	16,451	61
26462	Libra	7½	19 38,41	3,345	109 49 9,1	16,450	234
26463	Libra	7	19 38,68	3,345	109 49 12,7	16,450	343
26464	Virgo	6	19 39,34	3,047	88 16 18,8	16,449	290
26465	Bootes	8	19 40,90	2,931	79 42 13,9	16,448	334
26466	Bootes	8	19 42,96	2,642	60 49 29,4	16,446	335
26467	Bootes	9	19 43,43	2,878	75 58 22,5	16,446	159
26468	Bootes .....	.	19 44,68	2,765	68 20 3,4	16,445	68
26469	Bootes	7½	19 44,96	2,642	60 48 28,4	16,445	335
26470	Virgo	8	19 45,30	3,152	96 10 12,6	16,444	340
26471	Bootes	8½	19 45,40	2,362	47 14 54,2	16,444	8
26472	Bootes	7	19 48,89	2,683	63 14 40,7	16,441	163
26473	Bootes	8½	19 58,51	2,481	52 28 15,4	16,433	164
26474	Bootes	6½	19 58,80	2,490	52 54 4,8	16,433	164
26475	Bootes	9½	20 1,76	2,856	74 25 35,9	16,431	74
26476	Libra	8	20 1,80	3,335	109 4 39,2	16,430	342
26477	Virgo	7½	20 6,38	3,112	93 9 59,8	16,426	292
26478	Virgo	7½	20 6,85	3,112	93 9 56,1	16,426	155
26479	Virgo	9	20 10,50	2,973	82 48 58,5	16,423	287
26480	Bootes	9	14 20 10,57	+2,834	72 56 58,2	+16,423	72

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26481	Libra	14 20 19.04	+3,271	104 43 12.0	+16,416	160
26482	Bootes	9	20 21.43	2,931	79 47 6.9	16,414	334
26483	Bootes	7½	20 27.07	2,833	72 53 30.0	16,409	72
26484	Libra	9	20 32.28	3,219	100 58 26.1	16,405	156
26485	Draco.....	7½	20 34.31	1,887	33 3 49.1	16,403	355
26486	Bootes	8½	20 36.50	2,782	69 31 3.7	16,401	71
26487	Bootes	9	20 40.47	2,001	35 47 42.1	16,398	354
26488	Bootes	8½	20 41.31	2,855	74 25 38.7	16,397	74
26489	Bootes	9	20 41.86	2,639	60 48 30.8	16,397	165
26490	Bootes	8	20 42.08	2,590	58 5 23.1	16,397	70
26491	Bootes	8	20 43.56	2,639	60 48 30.8	16,395	165
26492	Virgo	6	20 45.05	2,993	84 19 45.7	16,394	337
26493	Libra	7½	20 45.61	3,390	112 33 6.8	16,394	235
26494	Libra	8½	20 48.04	3,351	110 3 7.3	16,391	343
26495	Bootes	7	20 49.38	2,411	49 29 0.1	16,390	9
26496	Bootes	7½	20 50.49	2,596	58 25 29.4	16,389	70
26497	Bootes	7½	20 53.64	2,410	49 28 59.3	16,387	289
26498	Libra	7½	20 57.58	3,283	105 27 58.8	16,384	341
26499	Bootes	8½	21 5.72	2,871	75 33 27.6	16,376	159
26500	Virgo	9	21 10.14	3,010	85 35 58.1	16,373	338
26501	Libra	8½	21 12.49	3,402	113 17 37.3	16,371	472
26502	Bootes	7	21 15.50	2,574	57 18 45.6	16,368	162
26503	Bootes	6	21 15.64	2,574	57 18 44.1	16,368	70
26504	Libra	8	21 16.65	3,306	106 59 17.2	16,367	341
26505	Libra	9	21 19.90	3,356	110 18 33.2	16,365	343
26506	Libra	9	21 27.93	3,207	100 2 37.4	16,358	156
26507	Bootes	8	21 29.34	2,692	64 0 49.1	16,357	163
26508	Bootes	8½	21 30.08	2,692	64 56.7	16,356	66
26509	Bootes	9	21 31.73	2,470	52 15 23.8	16,355	164
26510	Bootes	8½	21 33.42	2,936	80 13 9.4	16,353	334
26511	Bootes	9	21 35.39	2,404	49 18 39.7	16,352	9
26512	Bootes	7	21 37.32	2,291	44 50 30.3	16,350	352
26513	Bootes	6	21 38.11	2,291	44 50 25.3	16,349	8
26514	Bootes	8½	21 39.92	2,425	50 14 27.7	16,348	289
26515	Bootes	6	21 43.86	2,354	47 17 41.5	16,345	8
26516	Virgo	8	21 44.85	3,082	90 53 50.6	16,344	338
26517	Libra	7½	21 45.45	3,401	113 7 40.1	16,343	235
26518	Libra	6½	21 46.47	3,401	113 7 43.5	16,342	472
26519	Bootes	8	21 47.93	2,940	80 29 36.9	16,341	334
26520	Libra	9	14 21 49.90	+3,284	105 25 53.6	+16,339	341

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26521	Bootes	8	14 21 49.95	+2,818	72 2 40.6	+16,339	72
26522	Bootes	8	21 50.94	2,944	80 48 16.4	16,338	334
26523	Virgo	8	21 56.53	3,007	85 24 18.7	16,334	338
26524	Bootes	9	22 5.31	2,880	76 15 10.3	16,326	159
26525	Bootes	7½	22 11.56	2,809	71 27 41.4	16,321	71
26526	Bootes	9½	22 13.75	2,817	72 1 53.5	16,319	72
26527	Bootes	9½	22 27.72	1,975	35 25 28.3	16,307	354
26528	Bootes	8	22 30.52	2,963	82 13 11.1	16,305	287
26529	Libra	8½	22 31.73	3,355	110 8 37.9	16,304	343
26530	Bootes	8	22 31.77	2,460	51 57 35.3	16,304	164
26531	Libra	9	22 35.44	3,285	105 25 13.4	16,301	341
26532	Libra	9	22 40.66	3,252	103 11 8.3	16,296	160
26533	Bootes	8½	22 40.80	2,791	70 20 26.1	16,296	71
26534	Libra	9	22 41.99	3,256	103 26 29.5	16,295	160
26535	Virgo	8½	22 45.91	3,161	96 38 40.7	16,292	340
26536	Virgo	7½	22 48.26	3,152	96 2 44.9	16,290	340
26537	Bootes	8	22 49.32	2,790	70 16 19.9	16,289	71
26538	Virgo	7	22 54.42	3,008	85 27 3.6	16,285	338
26539	Bootes	8½	22 54.48	2,543	56 1 0.9	16,284	162
26540	Bootes	8½	22 54.50	2,739	67 1 43.1	16,284	67
26541	Libra	8	22 59.23	3,333	108 37 51.0	16,280	342
26542	Bootes	8½	22 59.39	2,784	69 54 8.5	16,280	71
26543	Libra	7	23 1.39	3,293	105 55 49.2	16,279	341
26544	Virgo	6½	23 4.19	2,984	83 46 54.4	16,276	337
26545	Bootes	7	23 4.39	2,962	82 10 29.9	16,276	287
26546	Libra	8½	23 4.65	3,329	108 20 19.2	16,276	342
26547	Libra	7½	23 7.52	3,378	111 30 11.1	16,273	235
26548	Bootes	9	23 7.64	2,863	75 11 50.6	16,273	159
26549	Virgo	7½	23 8.40	3,152	95 58 48.7	16,273	340
26550	Bootes	4	23 12.77	2,595	58 44 36.0	16,269	70
26551	Bootes	7	23 13.32	2,399	49 24 48.2	16,268	9
26552	Bootes	4	23 14.08	2,595	58 44 40.1	16,268	165
26553	Bootes	7	23 15.61	2,861	75 2 50.4	16,266	159
26554	Bootes	7½	23 16.30	2,861	75 2 50.8	16,266	74
26555	Bootes	7	23 17.34	2,394	49 11 47.0	16,265	9
26556	Bootes	8	23 22.15	2,864	75 15 46.6	16,261	159
26557	Bootes	8	23 22.38	2,864	75 15 44.0	16,261	74
26558	Bootes	6	23 28.09	2,661	62 25 48.7	16,256	335
26559	Libra	6½	23 37.15	3,348	109 33 14.5	16,248	343
26560	Bootes	8	14 23 39.84	+2,595	58 51 6.9	+16,246	70

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26561	Bootes	9	14 23 41,05	+2,898	77° 39' 9,7	+16,245	470
26562	Virgo	8½	23 42,16	2,996	84 37 9,9	16,244	337
26563	Bootes	10	23 47,15	2,243	43 31 0,8	16,239	352
26564	Bootes	8	23 52,93	2,942	80 47 28,0	16,235	334
26565	Bootes	9	23 53,54	2,485	53 20 0,7	16,234	61
26566	Bootes	8½	23 54,98	2,538	55 54 57,5	16,233	162
26567	Bootes	8½	23 55,69	2,857	74 52 44,0	16,232	74
26568	Bootes	8½	23 56,17	2,819	72 18 40,3	16,232	72
26569	Bootes γ	3	24 0,85	2,429	50 48 35,9	16,228	164
26570	Bootes γ	3	24 0,89	2,429	50 48 38,7	16,228	289
26571	Bootes γ	3	24 1,29	2,429	50 48 38,5	16,228	161
26572	Bootes	8	24 5,61	2,823	72 33 39,5	16,224	72
26573	Virgo	9	24 11,45	3,101	92 16 49,1	16,218	155
26574	Bootes	9	24 11,83	2,870	75 47 39,1	16,218	159
26575	Virgo	8	24 20,67	3,000	84 56 0,4	16,211	337
26576	Libra	9	24 21,74	3,218	100 38 49,9	16,210	156
26577	Virgo	8½	24 22,56	3,121	93 45 54,6	16,209	292
26578	Bootes	6	24 26,96	2,733	66 51 10,4	16,205	67
26579	Bootes	9	24 27,43	2,645	61 41 52,7	16,205	335
26580	Libra	9	24 28,00	3,186	98 25 22,8	16,204	154
26581	Bootes	8½	24 29,63	2,953	81 34 27,8	16,203	287
26582	Bootes	6½	24 29,95	2,301	45 43 36,0	16,203	8
26583	Virgo	8½	24 31,07	3,077	90 31 39,3	16,202	338
26584	Bootes	9	24 32,01	2,718	65 57 34,3	16,201	67
26585	Libra	8	24 37,51	3,184	98 12 37,0	16,196	154
26586	Libra	7½	24 49,00	3,378	111 17 42,6	16,186	235
26587	Libra	7	24 49,05	3,378	111 17 42,2	16,186	343
26588	Libra	6	24 49,85	3,378	111 17 41,7	16,186	472
26589	Virgo	8½	24 53,53	2,973	82 59 45,0	16,182	287
26590	Virgo	9	24 59,66	2,998	84 50 46,1	16,177	337
26591	Bootes	9	25 4,19	2,867	75 36 50,7	16,173	159
26592	Bootes	7½	25 9,80	2,455	52 9 0,8	16,169	164
26593	Virgo	8	25 10,17	3,001	85 1 51,4	16,168	337
26594	Bootes	7½	25 10,37	2,919	79 13 51,4	16,168	334
26595	Virgo	9	25 10,94	3,034	87 26 7,3	16,167	290
26596	Virgo	8	25 16,30	3,130	94 23 6,1	16,163	292
26597	Bootes	8	25 20,69	2,696	64 43 24,8	16,159	163
26598	Bootes	8	25 21,08	2,695	64 43 26,4	16,159	66
26599	Bootes	8	25 23,47	2,484	53 31 57,4	16,157	61
26600	Bootes	7½	14 25 25,83	+2,872	76 1 9,0	+16,154	159

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26601	Bootes	8	14 25 26,18	+2,695	64 42 57,8	+16,154	163
26602	Bootes	8	25 27,08	2,695	64 42 55,4	16,154	66
26603	Bootes	8	25 31,35	2,623	60 37 17,3	16,150	165
26604	Virgo	8	25 33,58	3,009	85 38 55,7	16,148	338
26605	Virgo	9	25 34,66	3,054	88 52 28,0	16,147	290
26606	Libra	8½	25 37,85	3,192	98 43 45,5	16,144	154
26607	Bootes	7	25 41,10	2,546	56 34 53,6	16,141	162
26608*	Libra	8	25 43,86	3,379	111 15 34,1	16,139	235
26609	Libra	8	25 43,91	3,379	111 15 28,8	16,139	343
26610	Bootes	9	25 46,35	2,870	75 52 38,9	16,137	159
26611	Virgo	8½	25 46,69	3,110	92 53 53,2	16,137	155
26612	Virgo	8	25 46,99	3,054	88 54 0,1	16,136	290
26613	Bootes	9	25 47,73	2,692	64 33 42,5	16,136	163
26614	Virgo	9	25 53,83	3,128	94 12 49,6	16,130	292
26615	Libra	8	25 56,34	3,221	100 45 43,1	16,128	156
26616	Bootes	7½	25 57,29	2,407	50 10 34,0	16,127	9
26617	Bootes σ	5	25 57,97	2,599	59 22 44,7	16,127	70
26618	Bootes σ	5	25 58,96	2,599	59 22 45,0	16,126	165
26619	Bootes	8	25 59,76	2,624	60 43 11,3	16,125	165
26620	Bootes	8	26 0,13	2,779	69 54 10,6	16,125	74
26621	Bootes	8	26 4,82	2,709	65 35 50,4	16,121	67
26622	Bootes	6½	26 5,16	2,304	46 6 35,8	16,121	8
26623*	Bootes	8	26 6,11	2,776	69 46 47,3	16,120	74
26624	Bootes	7½	26 8,55	2,901	78 2 57,0	16,118	470
26625	Bootes	9	26 10,11	2,641	61 43 39,4	16,116	335
26626	Bootes	9	26 10,86	2,778	69 51 47,4	16,116	71
26627	Bootes	7½	26 11,58	2,920	79 21 32,4	16,115	334
26628	Bootes	8	26 14,75	2,689	64 28 39,3	16,112	163
26629	Hydra	6	26 20,49	3,456	115 50 57,7	16,107	472
26630	Libra	7½	26 22,81	3,231	101 26 52,0	16,105	158
26631	Libra	6	26 22,88	3,231	101 26 49,5	16,105	156
26632	Bootes	8	26 25,92	2,426	51 6 18,5	16,102	289
26633	Libra	8	26 26,80	3,397	112 17 9,6	16,102	235
26634	Bootes	6	26 27,58	2,457	52 29 18,7	16,101	164
26635	Virgo	8	26 32,91	3,117	93 24 5,4	16,097	292
26636	Libra	9	26 34,85	3,353	109 32 50,0	16,095	343
26637*	Bootes	6	26 37,71	2,445	51 58 43,2	16,092	164
26638	Virgo	9	26 39,67	3,018	86 16 54,9	16,091	338
26639	Virgo	6½	26 43,76	3,112	93 0 38,2	16,087	155
26640	Bootes	6½	14 26 47,72	+2,192	42 19 55,2	+16,084	353

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16641	Bootes	9	14 26 48.47	+2,392	49 41 15.2	+16,083	289
16642	Libra	6	26 51.39	3,428	114 9 14.6	16,080	472
16643	Bootes	8	26 55.61	2,695	64 54 2.5	16,076	163
16644	Bootes	9½	27 3.29	2,851	74 45 15.3	16,070	74
16645	Bootes	6	27 3.74	2,711	65 52 18.4	16,069	67
16646	Bootes	7½	27 8.00	2,873	76 13 31.9	16,066	159
16647	Bootes	9	27 11.96	2,793	70 58 23.1	16,062	74
16648	Bootes	9	27 12.98	2,927	79 52 54.2	16,061	334
16649	Bootes	9	27 13.23	2,497	54 26 4.7	16,061	61
16650	Libra	9½	27 15.14	3,271	104 4 38.5	16,059	160
16651	Bootes	7	27 16.10	2,698	65 8 21.2	16,059	66
16652	Bootes	7½	27 16.53	2,698	65 8 20.8	16,058	163
16653	Virgo	6½	27 22.05	3,025	86 50 31.9	16,054	338
16654	Libra	8½	27 22.37	3,315	106 59 54.7	16,053	341
16655	Virgo	6½	27 22.38	3,025	86 50 31.7	16,053	290
16656	Bootes	7½	27 22.75	2,898	77 54 45.7	16,053	470
16657	Libra	8½	27 22.94	3,195	98 51 38.5	16,053	154
16658	Virgo	9	27 24.03	3,105	92 29 31.7	16,052	155
16659	Virgo	7½	27 24.43	3,135	94 40 16.6	16,051	292
16660	Bootes	8	27 30.82	2,704	65 29 57.8	16,046	67
16661	Bootes	7	27 31.00	2,704	65 29 59.6	16,046	66
16662	Libra	8	27 31.89	3,401	112 26 14.7	16,045	235
16663	Bootes	8½	27 32.76	2,846	74 24 35.8	16,044	74
16664	Libra	8½	27 33.50	3,347	109 3 58.4	16,044	342
16665	Libra	7	27 34.39	3,385	111 27 9.3	16,043	343
16666	Bootes	7	27 36.26	2,872	76 10 56.8	16,041	159
16667	Bootes	8	27 36.86	2,636	61 38 10.7	16,041	165
16668	Bootes	6½	27 37.54	2,636	61 38 12.0	16,040	335
16669	Libra	7½	27 50.93	3,430	114 9 9.4	16,028	235
16670	Bootes	7½	27 55.67	2,689	64 39 35.1	16,024	163
16671	Bootes .....	.	27 55.73	2,689	64 39 33.4	16,024	66
16672	Virgo	8	28 1.93	3,158	96 17 4.1	16,018	340
16673	Virgo	7	28 5.35	3,108	92 44 7.2	16,015	155
16674	Virgo	8	28 8.44	3,102	92 16 10.0	16,013	155
16675	Virgo	8½	28 8.79	3,029	87 5 56.3	16,012	338
16676	Bootes	8	28 11.14	2,628	61 17 13.2	16,010	165
16677	Bootes	8½	28 12.32	2,766	69 19 21.0	16,009	68
16678	Bootes	8½	28 12.40	2,930	80 12 5.6	16,009	334
16679	Bootes	8½	28 12.95	2,766	69 19 22.9	16,009	71
16680	Bootes	8	14 28 14.96	+2,765	69 16 17.9	+16,007	71

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26681	Bootes	8	14 28 15.09	+2,765	69 16 19.9	+16.007	68
26682	Bootes	8½	28 15.68	2,625	61 7 31.1	16.007	165
26683	Libra	7	28 16.59	3,207	99 40 52.5	16.006	156
26684	Libra	8	28 16.71	3,316	107 0 44.6	16.006	341
26685	Bootes	8½	28 20.29	2,842	74 13 18.2	16.003	474
26686	Bootes	9	28 23.86	2,522	55 49 0.3	15.999	162
26687	Virgo	8	28 24.73	2,989	84 16 8.6	15.998	337
26688	Bootes	9	28 29.79	2,873	76 19 0.6	15.994	159
26689	Virgo	8	28 30.08	3,139	94 54 47.0	15.994	292
26690	Libra	8	28 32.75	3,376	110 48 4.3	15.992	343
26691	Libra	8½	28 37.05	3,297	105 42 8.5	15.988	341
26692	Bootes	8	28 42.33	2,890	77 27 5.9	15.983	470
26693	Bootes	9	28 43.23	2,512	55 24 46.8	15.982	162
26694	Bootes	8	28 44.62	2,513	55 26 46.8	15.981	162
26695	Bootes	7	28 55.42	2,464	53 11 41.7	15.971	164
26696	Bootes	6	28 56.07	2,788	70 49 28.7	15.971	74
26697	Bootes	6	28 56.08	2,788	70 49 25.5	15.971	71
26698	Bootes	8	28 57.82	2,945	81 12 40.4	15.969	287
26699	Bootes	8½	28 57.94	2,945	81 12 39.1	15.969	334
26700	Bootes	8	29 0.71	2,621	60 58 40.7	15.967	165
26701	Bootes	8	29 4.99	2,554	57 30 28.8	15.963	70
26702	Libra	8½	29 6.57	3,292	105 19 42.7	15.962	160
26703*	Bootes	8	29 14.96	2,762	69 12 12.6	15.954	71
26704	Bootes	8	29 14.97	2,763	69 16 21.7	15.954	69
26705	Bootes	6	29 19.28	2,294	46 17 29.7	15.950	8
26706	Libra	7	29 31.09	3,292	105 20 15.3	15.940	341
26707	Libra	8	29 31.33	3,292	105 20 6.8	15.940	160
26708	Libra	8	29 37.62	3,260	103 10 42.5	15.934	158
26709	Bootes	9	29 39.16	2,694	65 11 19.8	15.933	163
26710	Libra	7½	29 44.34	3,394	111 45 10.0	15.928	344
26711	Libra	8	29 44.49	3,393	111 42 57.9	15.930	235
26712	Bootes	8½	29 49.58	2,131	40 54 30.1	15.924	353
26713	Bootes	8	29 50.25	2,682	64 32 6.8	15.923	66
26714	Bootes	8	29 50.54	2,682	64 31 58.3	15.923	163
26715	Bootes	8	30 2.19	2,618	60 58 22.4	15.912	165
26716	Bootes	8	30 3.67	2,583	59 6 53.0	15.911	70
26717	Virgo	7½	30 7.63	2,985	84 3 44.8	15.907	337
26718	Bootes	9	30 8.52	2,442	52 24 3.6	15.907	164
26719	Libra	7	30 11.69	3,351	109 3 36.0	15.904	343
26720	Libra	7½	14 30 12.10	+3,351	109 3 36.2	+15.903	342

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26721	Bootes	7½	14 30 12,16	+2,952	81 47 23,9	+15,903	287
26722	Bootes	8½	30 25,97	2,915	79 14 58,6	15,891	334
26723	Bootes	8½	30 26,07	2,915	79 14 57,4	15,891	470
26724	Virgo	8	30 27,17	3,149	95 35 24,6	15,890	340
26725	Bootes	9	30 28,87	2,916	79 20 58,8	15,889	334
26726	Bootes	8	30 30,48	2,641	62 19 19,4	15,887	335
26727	Libra .....	.	30 32,02	3,221	100 29 45,0	15,886	156
26728	Draco	8	30 37,34	1,784	32 25 58,1	15,881	355
26729	Virgo .....	.	30 37,86	3,098	91 58 56,7	15,881	155
26730	Libra	8	30 39,05	3,332	107 48 13,1	15,880	342
26731	Bootes	5	30 41,32	2,266	45 29 26,4	15,877	8
26732	Virgo	8½	30 41,68	3,092	91 32 55,7	15,877	155
26733	Bootes	8½	30 42,93	2,722	66 56 57,5	15,876	67
26734	Bootes	8½	30 49,89	2,530	56 35 29,2	15,870	162
26735	Bootes	7	30 51,66	2,928	80 9 15,1	15,868	334
26736	Libra .....	.	30 57,82	3,410	112 33 40,3	15,863	344
26737	Bootes	9	30 59,69	2,864	75 52 27,5	15,861	159
26738	Bootes	7	31 8,64	2,859	75 35 57,1	15,853	159
26739	Libra	8½	31 8,95	3,320	106 57 26,2	15,853	341
26740	Bootes	6½	31 8,97	2,859	75 35 53,2	15,853	74
26741	Virgo	8	31 11,03	3,086	91 10 27,6	15,851	155
26742	Virgo	7	31 11,15	3,086	91 10 30,2	15,851	338
26743	Libra	8	31 12,92	3,234	101 22 14,1	15,850	156
26744	Bootes	8	31 15,52	2,443	52 37 15,4	15,847	164
26745	Virgo	8	31 15,68	3,008	85 41 8,1	15,847	338
26746	Libra	8½	31 16,30	3,373	110 19 45,6	15,846	343
26747	Bootes	6	31 16,43	2,724	67 9 33,6	15,846	67
26748	Bootes	6	31 16,74	2,724	67 9 37,4	15,846	69
26749*	Bootes π	6	31 19,99	2,814	72 42 57,5	15,843	72
26750*	Bootes π	7	31 20,56	2,814	72 42 57,5	15,842	72
26751	Bootes	9	31 22,77	2,214	43 48 9,1	15,841	352
26752	Libra	8½	31 23,16	3,301	105 44 4,4	15,840	341
26753	Bootes	5	31 23,33	2,241	44 43 34,4	15,840	8
26754	Bootes	8	31 25,70	2,609	60 42 23,8	15,838	166
26755	Libra	6	31 25,84	3,429	113 37 38,7	15,838	472
26756	Bootes	9	31 27,58	2,657	63 19 18,8	15,836	66
26757	Bootes	9	31 27,73	2,657	63 19 28,7	15,836	163
26758	Bootes	8	31 27,83	2,657	63 19 23,3	15,836	335
26759	Libra	6½	31 32,43	3,234	101 17 20,7	15,832	156
26760	Libra	7	14 31 33,36	+3,344	108 26 56,1	+15,831	342

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26761	Bootes ζ	3	14 31 35.83	+2,856	75 24 19.6	+15,829	159
26762	Bootes	8	31 35.97	2,777	70 23 34.4	15,829	74
26763	Bootes ζ	3½	31 36.01	2,856	75 24 20.7	15,829	74
26764	Virgo	8½	31 39.44	3,034	87 30 41.3	15,825	290
26765	Bootes .....	.	31 42.93	2,570	58 41 13.0	15,823	70
26766	Bootes	5	31 49.60	2,939	80 58 29.3	15,817	334
26767	Bootes	5	31 49.73	2,939	80 58 28.5	15,816	287
26768	Bootes	5	31 49.87	2,939	80 58 26.8	15,816	166
26769	Bootes	7½	31 53.24	2,568	58 36 41.9	15,813	70
26770	Bootes	6½	31 54.31	1,899	35 6 29.9	15,812	354
26771	Bootes	9½	31 55.38	2,722	67 5 43.3	15,811	67
26772	Bootes	9	31 55.74	2,722	67 5 47.2	15,811	69
26773	Bootes	8	31 56.49	2,773	70 12 5.2	15,810	74
26774	Bootes	7	31 59.34	2,401	50 56 22.2	15,808	289
26775	Virgo	9	32 1.63	3,001	85 14 53.1	15,806	338
26776	Bootes	8½	32 1.70	2,857	75 31 56.7	15,806	159
26777	Bootes	6	32 7.39	2,887	77 28 11.7	15,801	470
26778	Bootes	9	32 8.13	2,650	63 1 10.9	15,800	335
26779	Virgo	8½	32 9.13	3,000	85 11 54.0	15,799	338
26780	Bootes	7½	32 14.42	2,551	57 50 30.0	15,794	70
26781	Bootes	8½	32 18.63	2,780	70 39 9.3	15,790	71
26782	Bootes	9½	32 18.71	2,608	60 46 21.5	15,790	166
26783	Bootes	8	32 18.93	2,780	70 39 11.5	15,790	74
26784	Bootes	9	32 21.41	2,497	55 13 15.6	15,788	162
26785	Libra	8	32 24.37	3,424	113 13 15.1	15,785	344
26786	Bootes	9	32 25.07	2,940	81 2 36.3	15,784	334
26787	Bootes	8	32 25.10	2,599	59 44 37.6	15,784	166
26788	Libra .....	.	32 25.55	3,423	113 10 45.5	15,784	472
26789	Bootes	9	32 25.88	2,489	54 51 23.4	15,784	61
26790	Virgo..... μ	4	32 32.37	3,139	94 46 46.1	15,778	292
26791	Virgo	8½	32 32.37	2,990	84 28 24.4	15,778	337
26792	Virgo	7½	32 34.13	2,992	84 39 0.7	15,777	337
26793	Bootes	8	32 34.54	2,779	70 38 19.2	15,776	71
26794	Bootes	7½	32 34.93	2,779	70 38 19.4	15,776	74
26795	Bootes	8½	32 38.89	2,895	78 3 46.5	15,772	470
26796	Bootes	9½	32 40.05	2,485	54 43 17.2	15,771	61
26797	Bootes	9	32 40.81	2,448	53 3 4.4	15,770	164
26798	Bootes	7½	32 42.60	2,594	60 4 5.8	15,769	166
26799	Bootes	9	32 44.51	2,683	64 56 2.9	15,767	163
26800	Bootes	8	14 32 44.97	+2,544	57 33 54.6	+15,767	70

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26801	Libra	8½	14 32 45.20	+3,227	100 45 28.5	+15,766	156
26802	Virgo	8½	32 46.62	2,999	85 5 48.7	15,765	338
26803	Bootes	6	32 46.65	2,736	68 0 38.0	15,765	69
26804	Bootes	8	32 48.07	2,357	49 14 39.6	15,764	161
26805	Libra	7	32 49.20	3,425	113 16 18.5	15,763	345
26806	Bootes	8	32 51.02	2,677	64 35 55.6	15,761	163
26807	Bootes	7½	32 51.18	2,677	64 35 49.8	15,761	66
26808	Bootes	7½	32 59.11	2,651	63 9 16.8	15,754	335
26809	Bootes	7	32 59.98	2,399	50 59 41.0	15,753	289
26810	Bootes	8½	33 1.42	1,917	35 41 37.8	15,752	354
26811*	Bootes	8	33 5.40	2,939	81 3 48.6	15,749	166
26812	Bootes	7	33 5.75	2,939	81 3 53.4	15,748	334
26813	Virgo	7½	33 5.94	3,031	87 18 49.7	15,748	290
26814	Bootes	8	33 7.58	2,946	81 31 25.2	15,746	287
26815	Bootes	7½	33 13.91	2,839	74 25 50.0	15,741	74
26816	Bootes	7	33 17.87	2,732	67 50 37.6	15,737	69
26817	Bootes	9	33 18.91	2,839	74 26 39.0	15,736	74
26818	Libra	8	33 19.25	3,422	113 1 16.4	15,736	345
26819	Bootes	8½	33 22.49	2,907	78 53 25.7	15,733	470
26820	Bootes	9½	33 23.65	2,676	64 36 32.5	15,732	163
26821	Libra	8	33 23.85	3,308	106 1 0.8	15,731	341
26822	Bootes	9	33 24.09	2,513	56 7 29.0	15,731	162
26823	Bootes	8	33 24.97	2,337	48 34 23.8	15,730	161
26824	Virgo	7½	33 25.87	3,074	90 18 41.9	15,730	155
26825	Libra	8	33 29.80	3,227	100 45 25.3	15,726	156
26826	Libra	6	33 38.71	3,178	97 23 53.8	15,718	340
26827	Bootes	8	33 41.66	2,731	67 48 14.4	15,715	69
26828	Bootes	8½	33 43.16	2,534	57 13 1.9	15,714	162
26829	Bootes	9	33 43.78	2,534	57 13 1.9	15,713	70
26830	Bootes	8½	33 47.45	2,901	78 33 54.1	15,710	470
26831	Bootes	8.	33 48.74	2,200	43 42 53.6	15,709	352
26832	Bootes	8	33 53.78	2,723	67 21 58.9	15,704	67
26833	Virgo	9	33 54.93	3,138	94 42 27.7	15,703	292
26834	Bootes	9	33 56.90	2,432	52 32 22.6	15,702	164
26835	Virgo	8	34 8.16	3,106	92 30 24.1	15,691	155
26836*	Bootes	9	34 8.55	2,676	64 43 39.1	15,691	163
26837	Bootes	8½	34 14.39	2,431	52 31 36.5	15,686	164
26838	Bootes	8	34 14.75	2,589	60 3 14.5	15,685	166
26839	Bootes	9	34 15.43	2,818	73 10 41.2	15,685	72
26840	Bootes	9	14 34 19.60	+2,316	47 54 12.9	+15,681	161

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26841	Bootes	8	14	34	20.44	+2,363	49	44	7.7	+15,680	289
26842	Libra	8		34	20.84	3,399	111	33	26.0	15,680	345
26843	Bootes	7½		34	20.95	2,363	49	44	4.3	15,680	9
26844	Libra	8½		34	23.04	3,249	102	7	11.5	15,678	158
26845	Libra	9½		34	25.29	3,288	104	38	49.5	15,676	160
26846	Bootes	9		34	27.28	2,721	67	20	43.8	15,674	67
26847	Hydra	4½		34	28.18	3,452	114	35	4.2	15,673	472
26848	Virgo	8½		34	29.45	3,102	92	12	20.3	15,672	155
26849	Libra	7½		34	31.26	3,307	105	53	14.9	15,671	341
26850	Draco	8½		34	31.28	1,703	31	25	32.0	15,670	355
26851	Bootes	7		34	34.42	2,426	52	23	4.2	15,668	164
26852	Bootes	8		34	35.77	2,635	62	29	1.8	15,666	335
26853	Bootes	5		34	37.33	2,637	62	36	50.0	15,665	335
26854	Virgo	8½		34	38.29	3,028	87	7	17.4	15,664	338
26855	Libra	6		34	39.80	3,412	112	17	49.6	15,663	345
26856	Libra	8		34	42.34	3,163	96	20	15.5	15,660	340
26857	Libra	8½		34	43.05	3,343	108	6	40.7	15,660	342
26858	Libra	7		34	43.75	3,323	106	50	32.1	15,659	341
26859	Bootes	9		34	44.57	2,317	47	59	25.8	15,658	161
26860	Virgo	9½		34	47.01	3,073	90	14	37.5	15,656	338
26861	Libra	7½		34	47.23	3,156	95	53	2.0	15,656	340
26862	Bootes	9		34	48.65	2,556	58	26	10.7	15,655	70
26863	Libra	8		34	50.56	3,343	108	7	38.8	15,653	342
26864	Libra	8		34	50.76	3,226	100	33	50.2	15,653	156
26865	Bootes	9½		34	51.85	1,939	36	29	33.7	15,652	354
26866	Libra	6½		34	51.96	3,379	110	19	4.0	15,651	343
26867	Libra	8½		34	53.73	3,224	100	27	54.9	15,650	156
26868	Bootes	8		34	54.03	2,898	78	22	52.9	15,649	470
26869	Virgo	6		34	55.13	3,078	90	33	55.3	15,648	338
26870	Bootes	8		34	56.51	2,776	70	40	25.5	15,647	71
26871	Bootes	7½		34	56.60	2,776	70	40	25.7	15,647	74
26872*	Bootes	8½		34	56.98	2,944	81	26	38.7	15,647	166
26873	Libra	6		34	57.38	3,288	104	36	27.2	15,647	160
26874	Bootes	8½		34	58.24	2,944	81	26	42.8	15,646	287
26875	Libra	7½		35	5.32	3,400	111	33	4.7	15,640	345
26876	Bootes	8½		35	11.87	2,342	49	1	52.7	15,633	161
26877	Bootes	9		35	12.03	2,476	54	40	16.3	15,633	61
26878	Bootes	9		35	12.25	2,473	54	33	16.2	15,633	61
26879	Virgo	8		35	16.02	2,991	84	37	14.4	15,629	337
26880	Draco	8	14	35	19.04	+1,684	31	10	25.2	+15,627	355

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26881	Bootes	8	14 35 27.82	+1,962	37° 8' 16.1	+15,618	354
26882	Libra	9	35 31.17	3,221	100 14 20.9	15,616	156
26883	Bootes	8½	35 34.01	2,266	46 14 36.2	15,613	8
26884	Libra	7	35 36.37	3,172	96 56 42.3	15,611	340
26885	Bootes	7	35 40.47	2,899	78 32 53.0	15,607	470
26886	Virgo	8	35 44.11	2,990	84 36 8.3	15,604	337
26887	Virgo	8	35 45.84	3,076	90 27 54.9	15,602	338
26888	Hydra	4½	35 46.70	3,458	114 46 28.2	15,601	472
26889	Bootes	7	35 46.88	2,936	80 59 9.8	15,601	166
26890	Libra	8	35 47.70	3,166	96 32 11.9	15,601	340
26891*	Bootes	9	35 51.69	1,963	37 13 51.9	15,597	354
26892	Libra	6	35 53.47	3,384	110 28 32.3	15,595	343
26893	Bootes 0	5½	35 54.66	2,799	72 10 50.4	15,594	72
26894	Bootes	8	35 56.41	2,849	75 17 23.3	15,592	159
26895	Bootes	8	35 56.86	2,849	75 17 21.2	15,592	74
26896	Bootes	9	35 57.03	2,901	78 37 57.1	15,592	470
26897	Bootes	9	35 57.48	2,747	69 0 58.2	15,592	69
26898	Bootes	6½	35 58.56	2,330	48 41 21.1	15,591	161
26899	Bootes	9	36 0.69	2,688	65 37 55.1	15,589	67
26900	Virgo	6½	36 1.95	3,069	89 59 9.8	15,587	338
26901	Bootes	7	36 6.35	2,768	70 15 55.9	15,583	74
26902	Virgo	4	36 8.68	3,029	87 15 15.6	15,581	338
26903	Virgo	4	36 9.00	3,029	87 15 21.2	15,581	290
26904	Bootes	8	36 10.98	2,746	68 59 38.1	15,579	69
26905	Virgo	9	36 11.43	2,980	83 56 32.0	15,579	337
26906	Bootes	8½	36 12.69	2,667	64 26 30.6	15,578	66
26907	Virgo	7½	36 13.37	3,005	85 38 37.4	15,577	338
26908	Bootes #	3	36 14.96	2,623	62 4 30.2	15,576	335
26909	Bootes #	3	36 15.15	2,623	62 4 31.1	15,575	163
26910	Bootes	8	36 15.51	2,907	79 5 46.7	15,575	470
26911	Bootes	8	36 15.75	2,784	71 16 7.1	15,575	72
26912	Libra	8	36 17.75	3,226	100 31 4.8	15,573	156
26913	Bootes	8½	36 17.90	2,771	70 28 34.0	15,573	74
26914*	Bootes	7	36 18.90	2,860	76 2 41.2	15,572	159
26915	Bootes	8	36 23.46	2,560	58 51 8.7	15,568	70
26916	Bootes	7½	36 33.00	2,801	72 21 4.2	15,559	72
26917	Bootes	9	36 33.31	2,555	58 36 48.3	15,559	70
26918	Bootes	6	36 40.62	2,828	74 1 11.5	15,552	74
26919	Bootes	9	36 45.33	2,581	59 58 0.5	15,547	166
26920	Libra	9	14 36 45.65	+3,251	102 5 18.3	+15,547	158

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26921	Virgo	8	14 36 47.12	+2,984	84 12 17.4	+15,546	337
26922	Bootes	7	36 50.12	2,837	74 38 18.7	15,543	74
26923	Bootes	7	36 51.71	2,507	56 21 28.2	15,541	162
26924	Bootes	7	36 53.51	2,949	81 52 12.0	15,540	287
26925	Hydra	6	36 55.02	3,458	114 39 4.9	15,539	472
26926	Virgo	7	36 55.51	3,043	88 10 49.8	15,538	290
26927	Bootes	9	36 56.72	2,683	65 25 32.6	15,537	67
26928	Bootes	8½	36 57.27	2,472	54 46 23.8	15,537	61
26929	Libra	6½	37 1.36	3,249	101 59 18.9	15,533	158
26930	Bootes	7½	37 2.69	2,832	74 17 45.6	15,532	74
26931	Virgo	9	37 4.76	2,985	84 16 2.5	15,530	337
26932	Bootes	8½	37 7.32	2,363	50 8 16.5	15,527	9
26933	Bootes	6½	37 8.78	2,192	43 57 48.9	15,526	352
26934	Libra	9	37 12.92	3,214	99 39 18.3	15,522	156
26935	Bootes	8½	37 17.36	2,935	80 56 42.3	15,518	166
26936	Virgo	7½	37 18.26	3,027	87 6 55.1	15,517	338
26937	Virgo	7	37 19.15	3,027	87 7 1.6	15,516	290
26938	Virgo	7½	37 20.12	3,061	89 25 38.3	15,515	338
26939	Bootes	7½	37 20.58	2,613	61 40 15.5	15,515	335
26940	Libra	7	37 23.31	3,321	106 29 33.0	15,513	341
26941	Bootes	9	37 28.34	2,930	80 38 33.8	15,507	166
26942	Libra	8	37 32.47	3,139	94 39 37.0	15,504	292
26943	Bootes	9	37 32.69	2,683	65 31 34.6	15,504	67
26944	Libra	9	37 33.70	3,222	100 9 0.0	15,503	156
26945	Bootes	7½	37 38.25	2,641	63 12 12.2	15,499	335
26946	Bootes	8	37 38.28	2,641	63 12 10.9	15,499	163
26947	Bootes	•	37 38.53	2,641	63 12 12.6	15,498	66
26948	Bootes	8	37 41.70	2,902	78 50 22.4	15,495	471
26949	Bootes	8	37 44.06	2,675	65 3 36.7	15,493	163
26950	Bootes	8	37 46.91	2,392	51 25 1.4	15,491	289
26951	Bootes	8½	37 47.04	2,392	51 24 59.4	15,490	164
26952	Libra	6	37 47.49	3,438	113 24 30.3	15,490	345
26953	Bootes	9	37 50.09	2,666	64 34 21.2	15,487	163
26954	Libra	8½	37 55.24	3,255	102 16 26.9	15,483	158
26955	Bootes	7	37 57.15	2,270	46 46 18.7	15,481	8
26956	Bootes	9	38 3.21	2,668	64 43 21.3	15,475	163
26957	Libra	7½	38 6.65	3,163	96 15 48.9	15,472	340
26958	Bootes	8	38 7.46	2,509	56 39 5.2	15,471	162
26959	Virgo	9	38 8.12	2,983	84 12 25.2	15,471	337
26960	Bootes	8½	14 38 8.70	+2,783	71 23 55.7	+15,470	72

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26961	Bootes	8	14 38 10,66	+2,421	52 42 49,5	+15,469	164
26962	Libra	7	38 11,31	3,364	109 3 42,4	15,468	342
26963	Bootes	8	38 18,92	2,761	70 6 20,0	15,461	74
26964	Libra .....μ	5	38 22,56	3,271	103 18 21,3	15,458	160
26965	Bootes	9	38 22,72	2,679	65 22 32,0	15,457	67
26966	Libra .....μ	6½	38 23,15	3,271	103 18 24,1	15,457	158
26967	Libra	7½	38 23,72	3,220	99 59 3,3	15,456	156
26968	Libra	8	38 23,97	3,438	113 22 43,0	15,456	345
26969	Bootes	9½	38 24,03	2,847	75 20 14,8	15,456	159
26970	Bootes	9	38 25,13	2,733	68 28 21,6	15,455	69
26971	Virgo	8	38 26,69	3,008	85 51 41,5	15,454	338
26972	Bootes	9½	38 33,51	2,844	75 12 49,5	15,447	159
26973	Bootes	9	38 34,01	2,844	75 12 42,3	15,447	74
26974	Bootes	9	38 38,03	2,598	61 4 50,0	15,443	166
26975*	Virgo	6	38 38,45	3,070	90 0 23,4	15,442	338
26976	Bootes	8½	38 42,06	2,595	60 56 31,9	15,439	166
26977*	Virgo	8	38 45,69	3,074	90 16 34,1	15,436	338
26978	Libra	8	38 45,85	3,185	97 39 39,8	15,436	154
26979	Libra	8	38 46,10	3,443	113 35 17,7	15,436	345
26980	Bootes	6	38 58,36	2,968	83 11 59,2	15,424	337
26981	Bootes	6	38 58,59	2,968	83 11 56,9	15,424	287
26982	Bootes	8	39 1,36	2,808	73 0 44,5	15,421	72
26983	Libra	8	39 5,36	3,195	98 21 39,1	15,418	154
26984	Bootes	8½	39 9,14	2,682	65 39 38,2	15,414	67
26985	Bootes	7	39 13,34	2,438	53 35 10,9	15,410	164
26986	Bootes	7½	39 14,18	2,438	53 35 16,8	15,409	61
26987	Bootes	8½	39 15,59	2,607	61 36 38,1	15,408	335
26988	Bootes	8½	39 17,20	2,937	81 13 3,3	15,406	166
26989	Bootes	7	39 17,59	2,721	67 50 15,7	15,406	69
26990	Libra	8	39 28,35	3,165	96 19 28,0	15,396	340
26991	Virgo	8	39 30,46	3,035	87 39 17,3	15,394	290
26992	Bootes .....	.	39 30,97	2,666	64 47 41,9	15,394	163
26993	Bootes	8½	39 33,87	2,902	78 56 7,4	15,391	471
26994	Bootes	8	39 36,01	2,774	70 57 35,8	15,389	74
26995	Libra	6	39 38,35	3,302	105 9 15,7	15,387	343
26996	Virgo	9	39 38,48	2,986	84 26 52,5	15,387	337
26997	Libra	6	39 38,73	3,302	105 9 20,3	15,387	341
26998	Libra	6	39 38,85	3,302	105 9 18,7	15,386	160
26999	Libra	6	39 38,93	3,302	105 9 22,4	15,386	342
27000	Libra	6	14 39 39,82	+3,302	105 9 21,7	+15,385	345

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27001	Virgo	7½	14 39 43.09	+2,999	85 17 17.2	+15,382	338
27002	Bootes	7½	39 43.68	2,431	53 30 24.5	15,382	61
27003	Libra	7½	39 44.04	3,434	113 1 17.6	15,382	345
27004	Bootes	7	39 44.69	2,905	79 6 40.6	15,381	471
27005	Libra	8½	39 45.96	3,239	101 10 47.8	15,380	158
27006	Libra	7	39 46.39	3,239	101 10 41.3	15,379	156
27007	Virgo	7½	39 49.63	3,057	89 9 59.3	15,376	290
27008	Libra..... α	2	39 49.95	3,303	105 11 53.5	15,376	154
27009	Libra..... α	2	39 50.07	3,303	105 12 3.1	15,376	343
27010	Libra..... α	2	39 50.20	3,303	105 12 1.9	15,376	160
27011	Libra..... α	2	39 50.35	3,303	105 12 5.6	15,376	341
27012	Libra..... α	2	39 50.42	3,303	105 12 7.7	15,376	342
27013	Libra..... α	2½	39 50.57	3,303	105 12 3.9	15,375	345
27014	Libra..... α	2	39 50.59	3,303	105 12 4.7	15,375	347
27015	Virgo	8	39 50.59	2,998	85 14 1.1	15,375	338
27016	Bootes	9	39 50.76	2,430	53 18 50.5	15,375	164
27017	Bootes	7	39 53.62	2,936	81 10 30.3	15,372	287
27018	Bootes	7	39 53.95	2,936	81 10 25.1	15,372	166
27019	Bootes	8	39 56.58	2,748	69 27 42.7	15,370	74
27020	Bootes	8	39 59.69	2,902	78 57 33.4	15,367	471
27021	Bootes	7½	40 1.53	2,735	68 45 26.5	15,365	69
27022	Bootes	7½	40 7.98	2,897	78 40 2.9	15,359	471
27023	Bootes	7½	40 8.58	2,385	51 29 17.6	15,359	9
27024	Bootes	7	40 18.59	2,750	69 39 1.9	15,349	74
27025	Virgo	8	40 19.95	3,058	89 11 34.2	15,348	291
27026	Libra	7½	40 21.45	3,443	113 26 40.3	15,346	472
27027	Libra	7½	40 21.52	3,443	113 26 42.4	15,346	345
27028	Bootes	7	40 24.05	2,432	53 30 19.5	15,344	164
27029	Libra	7	40 24.90	3,332	106 56 57.2	15,343	341
27030	Bootes	8	40 25.82	2,868	76 49 21.1	15,342	159
27031	Bootes	8½	40 35.95	2,632	63 6 12.5	15,333	335
27032	Libra	5½	40 39.29	3,092	91 27 24.6	15,330	338
27033	Libra	7	40 39.51	3,342	107 31 17.3	15,329	342
27034	Libra	5½	40 39.66	3,092	91 27 22.9	15,329	155
27035	Bootes	8½	40 42.13	2,422	53 6 37.0	15,327	164
27036	Bootes	9	40 42.30	2,747	69 30 59.6	15,327	74
27037	Bootes	9	40 42.76	2,914	79 45 19.6	15,326	166
27038	Bootes	6	40 43.91	2,688	66 7 46.2	15,325	67
27039	Virgo	6½	40 47.18	3,061	89 25 22.6	15,322	291
27040	Libra	14 40 49.39	+3,438	113 7 13.4	+15,320	345

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27041	Virgo	8½	14 40 49,65	+3,058	89 11 41,2	+15,320	291
27042	Libra	8½	40 52,55	3,328	106 40 30,6	15,317	341
27043	Bootes	9	40 56,40	2,795	72 21 28,0	15,313	72
27044	Libra	8½	40 56,68	3,334	106 59 33,3	15,313	341
27045	Bootes	8½	41 0,12	2,421	53 5 19,9	15,310	164
27046	Bootes	7	41 4,56	2,656	64 26 39,1	15,306	163
27047	Bootes .....	.	41 5,12	2,656	64 26 38,0	15,305	66
27048	Libra	9	41 5,18	3,094	91 36 51,2	15,305	155
27049	Libra	7½	41 5,91	3,442	113 17 4,9	15,305	345
27050	Libra	7	41 6,01	3,442	113 17 11,4	15,305	472
27051	Bootes	8½	41 7,88	2,824	74 9 23,1	15,303	74
27052	Bootes	6	41 15,07	2,378	51 21 28,6	15,296	289
27053	Bootes	6	41 16,56	2,378	51 21 29,1	15,294	9
27054	Bootes	9	41 17,33	2,441	53 58 15,5	15,294	61
27055	Bootes	6	41 18,68	2,671	65 15 12,9	15,293	163
27056	Bootes	5½	41 18,70	2,671	65 15 15,2	15,293	67
27057	Bootes	6	41 21,54	2,581	60 32 52,7	15,290	166
27058	Bootes	8	41 22,38	2,908	79 26 44,9	15,289	166
27059	Libra	8½	41 27,40	3,169	96 33 50,4	15,284	340
27060	Bootes	8	41 28,34	2,870	77 0 4,1	15,283	159
27061	Libra	8	41 29,80	3,295	104 33 18,5	15,282	160
27062	Libra	8	41 31,69	3,232	100 38 25,0	15,280	156
27063	Bootes	9	41 33,41	2,511	57 10 24,2	15,279	70
27064	Libra	8	41 38,60	3,228	100 22 17,9	15,274	156
27065	Virgo	8	41 46,27	3,027	87 9 13,6	15,267	338
27066	Bootes	9	41 46,70	2,903	79 9 28,4	15,266	166
27067	Libra	9	41 47,31	3,110	92 41 11,6	15,265	155
27068	Bootes	7½	41 48,74	2,334	49 41 59,3	15,264	9
27069	Bootes	6½	41 48,97	2,688	66 15 12,0	15,264	67
27070	Bootes	9	42 4,01	2,858	76 16 29,0	15,250	159
27071	Bootes	8	42 6,12	2,827	74 23 47,1	15,248	74
27072	Bootes	9	42 9,61	2,754	70 3 35,7	15,245	74
27073	Bootes ξ	5	42 9,61	2,754	70 3 42,7	15,245	74
27074	Bootes A	6	42 10,52	2,139	43 2 40,3	15,243	352
27075	Bootes	9	42 10,54	2,484	56 1 13,4	15,243	162
27076	Libra	8½	42 13,50	3,190	97 51 59,7	15,241	154
27077	Bootes	9½	42 15,36	2,486	56 7 53,4	15,239	162
27078	Bootes	8½	42 21,15	2,541	58 44 14,5	15,233	70
27079	Libra	8½	42 21,62	3,358	108 19 14,3	15,233	342
27080	Libra	7½	14 42 21,71	+3,372	109 8 29,5	+15,233	343

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27081	Libra	7	14 42 21,83	+3,442	113 8 46,6	+15,232	345
27082	Libra	6½	42 22,34	3,443	113 11 53,4	15,232	472
27083	Bootes	6	42 35,36	2,387	51 54 0,3	15,220	164
27084	Libra	9	42 35,53	3,168	96 24 29,8	15,220	340
27085	Libra	8½	42 36,77	3,167	96 23 10,8	15,218	340
27086	Bootes	9	42 40,49	2,486	56 12 4,4	15,215	162
27087	Bootes	8½	42 40,66	2,823	74 10 50,6	15,215	74
27088	Libra	6	42 44,92	3,454	113 48 52,6	15,211	345
27089	Libra	6	42 45,02	3,454	113 48 53,3	15,211	472
27090	Bootes	8	42 50,44	2,938	81 23 36,8	15,206	471
27091	Bootes	8	42 50,51	2,938	81 23 38,1	15,205	287
27092	Bootes	8	42 50,55	2,831	74 40 36,1	15,205	74
27093	Bootes	8	42 54,76	2,915	79 57 31,4	15,201	166
27094	Bootes	8	42 54,83	2,927	80 41 20,8	15,201	471
27095	Bootes	7	42 54,87	2,383	51 47 23,2	15,201	164
27096	Bootes	8	42 54,93	2,927	80 41 21,5	15,201	166
27097	Bootes	9	42 57,04	2,652	64 24 44,5	15,199	163
27098	Bootes	•	42 57,61	2,653	64 24 58,2	15,199	66
27099	Bootes	6½	43 0,14	2,732	68 52 46,6	15,197	69
27100	Virgo	8½	43 3,69	3,015	86 26 50,1	15,193	338
27101	Bootes	9½	43 3,91	2,557	59 34 22,3	15,193	166
27102	Libra	9½	43 5,07	3,197	98 19 52,0	15,191	154
27103	Bootes	7½	43 5,75	2,775	71 23 26,1	15,191	72
27104	Bootes	9	43 11,37	2,772	71 12 51,9	15,186	72
27105	Bootes	8½	43 12,84	2,883	77 55 19,5	15,184	470
27106	Bootes	8	43 18,12	2,759	70 26 37,8	15,179	74
27107*	Libra	8	43 19,47	3,197	98 15 29,6	15,178	154
27108	Bootes	9	43 19,80	2,558	59 40 3,3	15,178	166
27109	Libra	8½	43 24,65	3,313	105 34 2,2	15,173	341
27110*	Bootes	8	43 27,58	2,753	70 5 12,4	15,170	74
27111	Draco	8½	43 28,18	1,684	32 16 7,6	15,170	355
27112	Libra	8	43 29,49	3,142	94 44 36,2	15,168	292
27113	Virgo	8½	43 31,78	3,064	89 35 54,9	15,166	338
27114	Bootes	7½	43 32,19	2,819	74 2 20,6	15,166	74
27115	Libra	ξ' 6	43 32,41	3,241	101 4 24,0	15,166	345
27116	Libra	ξ' 7	43 32,47	3,241	101 4 20,5	15,165	158
27117	Virgo	7	43 33,27	3,024	87 1 9,1	15,165	338
27118	Virgo	8	43 34,97	3,063	89 34 37,8	15,163	338
27119	Bootes	7½	43 34,98	2,674	65 42 14,6	15,163	163
27120*	Bootes	•	14 43 35,19	+2,668	65 21 59,1	+15,163	66

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27121	Libra	9	14 43 39.76	+3,316	105° 42' 27.9	+15,158	341
27122	Bootes	9	43 44.54	2,938	81 28 56.1	15,154	287
27123	Libra	7½	43 47.18	3,375	109 11 13.8	15,151	343
27124	Libra	7½	43 47.28	3,375	109 11 15.6	15,151	342
27125	Libra	7	43 49.23	3,186	97 33 49.2	15,149	340
27126	Bootes	7½	43 50.79	2,336	50 3 56.9	15,148	9
27127	Bootes	7	43 50.80	2,336	50 3 54.8	15,148	289
27128	Bootes	8	43 54.54	1,896	36 45 33.7	15,144	354
27129	Bootes	9	43 56.62	2,924	80 34 41.5	15,142	471
27130	Virgo	8	44 1.78	3,024	87 1 59.2	15,137	338
27131	Bootes	7½	44 7.28	2,596	61 40 40.4	15,132	335
27132	Bootes	8	44 8.23	2,561	59 54 47.3	15,131	166
27133	Bootes	9	44 8.74	2,766	70 56 10.1	15,131	72
27134	Bootes	6½	44 9.24	2,617	62 42 27.6	15,130	335
27135	Bootes	6½	44 14.05	2,961	82 55 57.3	15,126	337
27136	Bootes	8	44 14.23	2,168	44 14 31.4	15,126	352
27137	Bootes	7	44 19.65	2,750	70 2 4.9	15,120	74
27138	Bootes	•	44 22.76	2,737	69 17 1.6	15,117	69
27139	Bootes	8	44 23.20	2,520	57 57 57.0	15,117	70
27140	Bootes	6½	44 23.34	2,504	57 14 54.2	15,117	70
27141	Bootes	8	44 23.84	2,493	56 43 30.4	15,116	162
27142	Libra	8	44 32.98	3,113	92 48 30.1	15,107	155
27143	Bootes	7	44 35.48	2,487	56 28 58.1	15,105	162
27144	Libra	7½	44 37.38	3,169	96 28 11.8	15,103	340
27145	Bootes	8	44 37.46	2,575	60 40 17.8	15,103	166
27146	Libra	•	44 45.59	3,216	99 27 35.7	15,095	156
27147	Bootes	9	44 49.61	2,647	64 20 52.5	15,091	66
27148	Bootes	9	44 49.67	2,646	64 20 49.0	15,091	163
27149	Virgo	8	44 49.79	3,020	86 45 28.4	15,091	338
27150	Libra	8½	44 51.56	3,263	102 23 3.0	15,090	345
27151	Bootes	8	44 55.08	2,811	73 38 44.2	15,086	74
27152	Libra	7½	44 55.57	3,274	103 4 49.8	15,086	345
27153	Libra	8	44 56.00	3,274	103 4 45.5	15,085	158
27154	Libra	8	44 58.31	3,452	113 26 15.9	15,083	345
27155	Bootes	8½	44 58.36	2,674	65 49 54.4	15,083	67
27156	Libra	8½	44 58.88	3,303	104 50 8.9	15,083	160
27157	Bootes	7½	44 59.72	2,114	42 41 41.5	15,082	353
27158	Bootes	8½	45 3.42	2,893	78 39 2.3	15,078	470
27159	Libra	7½	45 3.68	3,358	108 6 30.7	15,078	342
27160	Libra	7	14 45 11.80	+3,322	105 58 51.3	+15,070	341

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27161	Bootes	7	14 45 26,70	+2,814	73 51 12,3	+15,056	74
27162	Bootes	7	45 30,81	2,952	82 23 41,3	15,052	287
27163	Bootes	9	45 33,58	2,669	65 36 21,9	15,049	68
27164	Bootes	8½	45 35,49	2,887	78 20 55,9	15,047	470
27165	Bootes	8	45 35,85	2,490	56 45 50,0	15,047	162
27166	Bootes	7½	45 35,91	2,492	56 50 52,4	15,047	70
27167	Bootes	7	45 36,13	2,819	74 12 3,7	15,047	74
27168	Bootes	8	45 37,91	2,283	48 21 41,8	15,045	161
27169	Bootes	7½	45 38,23	2,936	81 25 0,6	15,045	471
27170	Libra	8½	45 38,28	3,304	104 48 47,7	15,045	160
27171	Libra	8	45 39,94	3,179	103 17 11,4	15,044	345
27172	Libra	9	45 40,04	3,279	103 17 9,2	15,043	158
27173	Libra	6	45 49,28	3,401	110 30 4,4	15,034	343
27174	Libra	8	45 49,68	3,156	95 33 18,9	15,033	340
27175	Bootes	8½	45 50,92	1,877	36 35 19,4	15,032	354
27176	Bootes .....	.	45 51,95	2,773	71 28 32,2	15,031	72
27177	Libra	6	45 52,33	3,476	114 37 29,2	15,031	472
27178	Libra	9	45 52,38	3,196	98 7 10,6	15,031	154
27179	Libra	8½	45 52,70	3,315	105 29 33,4	15,031	341
27180	Libra	8½	45 54,93	3,124	93 31 22,6	15,029	292
27181	Libra	8½	45 55,03	3,128	93 47 33,3	15,028	292
27182	Libra..... ξ ²	.	45 55,98	3,235	100 35 34,7	15,028	156
27183	Bootes	7	45 56,02	2,862	76 49 48,7	15,028	159
27184	Bootes	9½	45 56,82	2,657	65 0 9,2	15,027	163
27185	Bootes	8	45 59,07	2,667	65 35 9,7	15,025	58
27186	Bootes .....	.	45 59,30	2,889	78 29 15,1	15,024	470
27187	Bootes	8	45 59,45	2,498	57 9 50,3	15,024	162
27188	Libra	7½	45 59,64	3,416	111 19 52,8	15,024	345
27189	Libra	8	45 59,77	3,319	105 41 54,6	15,024	341
27190	Bootes	7½	45 59,84	2,498	57 9 49,5	15,024	70
27191	Bootes	8	46 0,95	2,612	62 40 35,3	15,023	335
27192	Bootes	9	46 4,25	2,914	80 1 39,4	15,020	471
27193	Bootes	7	46 4,27	2,503	57 25 9,8	15,020	70
27194	Bootes	9	46 4,75	2,913	80 1 40,7	15,019	166
27195	Bootes	7½	46 8,00	2,539	59 7 1,0	15,016	166
27196	Virgo	7	46 14,81	3,004	85 45 50,6	15,009	338
27197	Libra	8	46 17,33	3,119	93 12 53,8	15,007	155
27198	Bootes	8½	46 20,76	2,450	55 5 42,7	15,004	61
27199	Bootes	9	46 22,20	2,218	46 11 52,7	15,002	8
27200	Bootes	9	14 46 22,92	+2,961	83 1 34,2	+15,001	287

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27201	Bootes	8½	14 46 23,24	+2,629	63 36 17,7	+15,001	163
27202	Virgo	8	46 23,94	2,991	84 57 5,5	15,001	337
27203	Bootes	8	46 24,20	2,443	54 46 9,4	15,000	61
27204	Virgo	7½	46 26,58	3,012	86 15 47,2	14,998	338
27205	Bootes	8	46 26,77	2,918	80 16 55,9	14,998	166
27206	Libra	9	46 31,24	3,318	105 35 52,1	14,993	341
27207	Bootes	8½	46 34,77	2,589	61 35 21,8	14,990	335
27208	Libra	7½	46 35,94	3,158	95 41 48,2	14,989	340
27209	Bootes	8	46 36,74	2,917	80 16 56,8	14,988	471
27210	Libra	8	46 42,46	3,256	101 49 25,6	14,983	345
27211	Libra	8	46 42,65	3,256	101 49 21,8	14,982	158
27212	Libra	5	46 45,29	3,128	93 44 33,1	14,980	292
27213	Bootes	6	46 47,28	2,827	74 44 12,0	14,977	74
27214	Virgo	8	46 52,34	2,995	85 10 54,9	14,973	337
27215	Libra	7½	46 52,42	3,253	101 37 24,7	14,973	345
27216	Libra	8	46 53,00	3,253	101 37 21,9	14,972	158
27217	Bootes	9½	46 53,30	2,538	59 9 13,8	14,972	166
27218	Bootes	9½	46 53,48	2,394	52 47 15,8	14,972	164
27219	Libra	6½	46 54,86	3,336	106 38 6,7	14,971	341
27220	Virgo	7½	46 55,82	2,992	85 2 1,6	14,970	337
27221	Bootes	8	47 3,81	2,477	56 21 25,2	14,962	162
27222	Bootes	9	47 4,57	2,299	49 8 42,1	14,961	161
27223	Bootes	8½	47 6,78	2,922	80 35 49,3	14,959	166
27224	Bootes	7	47 9,16	2,650	64 47 46,7	14,957	163
27225	Bootes .....	.	47 10,19	2,608	62 36 12,7	14,955	66
27226	Libra	8½	47 10,82	3,333	106 26 4,5	14,955	341
27227	Bootes	7½	47 13,48	2,781	72 4 40,5	14,952	72
27228	Bootes	8½	47 13,60	2,848	76 1 47,1	14,952	159
27229	Libra	7½	47 13,84	3,422	111 35 11,0	14,952	345
27230	Libra	8	47 16,86	3,120	93 12 59,6	14,949	292
27231	Libra	8½	47 17,32	3,375	108 54 48,6	14,949	342
27232	Bootes	8	47 17,41	2,143	43 53 11,2	14,949	352
27233	Serpens	5½	47 18,69	3,060	89 21 13,8	14,947	338
27234	Serpens	6	47 19,04	3,060	89 21 8,4	14,947	291
27235	Libra .....	.	47 19,93	3,235	100 31 9,1	14,946	156
27236	Bootes	7	47 22,70	2,632	63 52 0,1	14,943	66
27237	Libra	6	47 24,38	3,232	100 20 28,3	14,942	156
27238	Bootes	8	47 32,73	2,098	42 35 9,8	14,934	353
27239	Bootes	9	47 36,20	2,276	48 23 10,2	14,930	161
27240	Bootes	9	14 47 39,32	+2,539	59 18 5,6	+14,927	166

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27241	Bootes	7	14 47 41.86	+2,487	56 53 5.5	+14,925	162
27242	Bootes	6	47 42.05	2,487	56 53 5.7	14,925	70
27243	Libra	9	47 43.20	3,230	100 10 12.6	14,923	156
27244	Libra	9	47 43.85	3,191	97 45 1.9	14,923	154
27245	Bootes	9	47 44.81	2,745	70 3 25.8	14,922	74
27246	Bootes	9	47 46.34	2,547	59 42 36.0	14,920	166
27247	Libra	8	47 47.16	3,259	101 57 27.0	14,920	345
27248	Libra	8½	47 47.20	3,259	101 57 21.1	14,920	158
27249	Bootes	7½	47 47.22	2,307	49 31 56.5	14,920	289
27250	Bootes	7	47 47.61	2,307	49 31 52.7	14,919	9
27251	Libra	9	47 49.15	3,303	104 37 28.2	14,918	160
27252	Bootes	6	47 52.27	2,793	72 47 54.2	14,915	72
27253	Libra	7½	47 54.16	3,194	97 54 25.3	14,913	154
27254	Bootes	9	47 54.81	2,539	59 20 5.7	14,912	166
27255	Serpens	8½	47 55.24	3,055	89 4 56.4	14,912	338
27256	Bootes	8	47 56.04	2,936	81 31 23.5	14,911	287
27257	Bootes	8	47 57.42	2,389	52 45 7.5	14,910	164
27258	Bootes	9	48 0.02	2,784	72 18 22.5	14,907	72
27259	Libra	8	48 2.19	3,158	95 36 59.8	14,905	340
27260	Bootes	6½	48 2.68	2,701	67 37 43.4	14,905	68
27261	Bootes	5½	48 2.70	2,701	67 37 46.3	14,905	69
27262	Bootes	9	48 3.11	2,479	56 35 0.1	14,903	162
27263	Libra	9	48 4.68	3,371	108 35 55.4	14,902	342
27264	Bootes	8	48 5.33	2,306	49 32 12.4	14,902	289
27265	Bootes	7½	48 5.59	2,306	49 32 12.5	14,901	9
27266	Libra	6	48 6.03	3,233	100 19 48.1	14,901	156
27267	Bootes .....	.	48 6.06	2,635	64 5 57.7	14,901	163
27268	Bootes	8½	48 6.89	2,846	75 59 40.8	14,900	159
27269	Bootes	8	48 8.99	2,618	63 15 16.5	14,898	335
27270	Libra	9	48 22.62	3,403	110 22 14.3	14,885	343
27271	Bootes	7½	48 23.58	2,815	74 7 38.6	14,884	74
27272	Libra	8½	48 25.68	3,370	108 29 49.7	14,882	342
27273	Bootes	7½	48 26.76	2,267	48 11 9.7	14,881	161
27274	Libra	8½	48 30.97	3,417	111 10 36.3	14,877	343
27275	Bootes	7½	48 36.66	2,747	70 12 10.7	14,871	74
27276	Bootes	8	48 36.68	2,213	46 19 47.7	14,871	8
27277	Bootes .....	.	48 37.63	2,629	63 51 57.3	14,870	163
27278	Bootes	6	48 38.19	2,629	63 51 59.6	14,870	66
27279	Bootes	8	48 39.30	2,215	46 23 40.9	14,869	8
27280	Bootes	8	14 48 47.99	+2,906	79 41 27.1	+14,860	166

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27281	Bootes	8	14 48 48,00	+2,906	79 41 30,7	+14,860	471
27282	Bootes	7	48 48,41	2,831	75 9 7,9	14,860	74
27283	Bootes	7½	48 48,93	2,831	75 9 8,5	14,859	159
27284	Bootes	7	48 53,67	2,641	64 30 57,9	14,855	163
27285	Bootes	6	48 54,01	2,641	64 30 56,3	14,854	66
27286	Libra .....	.	49 3,96	3,230	100 7 14,1	14,845	156
27287	Bootes	7½	49 5,12	2,409	53 41 49,3	14,843	61
27288	Libra	8	49 6,56	3,359	107 49 18,5	14,842	342
27289	Libra	8½	49 6,98	3,106	92 19 53,8	14,842	155
27290	Bootes	8½	49 9,29	2,379	52 30 21,9	14,839	164
27291	Libra	9	49 11,99	3,293	103 55 15,6	14,837	160
27292	Bootes	8½	49 12,76	2,914	80 10 11,5	14,836	471
27293	Bootes	9	49 13,93	2,892	78 50 6,3	14,835	470
27294	Bootes	8	49 18,72	2,864	77 6 46,8	14,830	470
27295	Bootes	8½	49 18,85	2,864	77 6 46,0	14,830	159
27296	Bootes	8	49 21,25	2,544	59 43 12,5	14,828	166
27297	Bootes	6	49 24,43	2,985	84 37 27,5	14,825	337
27298	Bootes	9	49 31,59	1,808	35 32 6,0	14,817	354
27299	Bootes	7	49 31,64	2,598	62 22 27,3	14,817	335
27300	Serpens	8½	49 39,28	3,058	89 16 4,3	14,810	338
27301	Bootes	8	49 39,32	2,813	74 6 45,2	14,810	74
27302	Bootes	8	49 43,00	2,774	71 51 41,4	14,806	72
27303	Libra	9	49 52,57	3,299	104 13 21,8	14,796	160
27304	Bootes	7	49 57,78	2,649	65 1 27,6	14,791	68
27305	Bootes	9	49 58,29	2,350	51 27 50,7	14,791	164
27306	Bootes	8½	50 2,54	2,952	82 35 33,7	14,787	287
27307	Bootes	9½	50 3,03	2,632	64 8 35,1	14,786	163
27308	Bootes	7	50 3,09	2,632	64 8 37,4	14,786	66
27309	Serpens	8½	50 4,54	3,048	88 39 33,4	14,785	291
27310	Bootes	9	50 5,53	2,284	49 0 51,9	14,784	161
27311	Bootes	7	50 6,49	2,649	65 1 21,4	14,783	68
27312	Bootes	8	50 7,31	2,922	80 43 5,2	14,782	471
27313	Libra	8½	50 15,02	3,364	108 0 9,4	14,775	342
27314	Libra δ	4½	50 18,39	3,192	97 42 53,0	14,772	154
27315	Bootes	8½	50 20,57	2,962	83 13 3,6	14,769	337
27316	Bootes	9	50 22,60	2,719	68 49 14,0	14,767	69
27317	Bootes	8½	50 26,03	2,282	48 58 10,8	14,764	161
27318	Bootes	9	50 26,09	2,863	77 10 19,8	14,764	470
27319	Bootes	9	50 26,78	2,863	77 10 13,7	14,763	159
27320	Libra	8½	14 50 27,47	+3,314	105 7 54,0	+14,762	160

No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1800.	Annual Preces.	North Polar Distance, Jan. 1, 1800.	Annual Preces.	Page in H.C61.
			h m s	s	° ' "	"	
27321	Bootes	9	14 50 28,60	+2,586	61 54 18,6	+14,761	335
27322	Bootes	9	50 29,13	2,366	52 9 36,2	14,761	164
27323	Bootes	7½	50 30,82	2,155	44 43 32,1	14,759	352
27324	Bootes	7	50 30,98	2,155	44 43 33,6	14,759	8
27325	Bootes	7½	50 33,56	2,816	74 21 41,1	14,756	74
27326	Bootes	8	50 47,00	2,284	49 6 8,8	14,743	161
27327	Bootes	8	50 47,44	2,961	83 9 56,6	14,742	287
27328	Bootes	8	50 47,57	2,961	83 9 49,5	14,742	337
27329	Bootes	8½	50 49,17	2,841	75 52 31,8	14,741	159
27330	Bootes	8½	50 50,11	2,761	71 12 8,1	14,740	72
27331	Bootes	7½	50 51,10	2,919	80 34 46,9	14,739	472
27332	Bootes	9	50 51,87	1,811	35 47 32,6	14,738	354
27333	Bootes	8½	50 52,42	2,856	76 43 24,0	14,738	159
27334	Bootes	9	50 54,74	2,586	61 55 18,5	14,735	335
27335	Libra	5½	50 56,82	3,101	91 57 9,3	14,733	155
27336	Bootes	8½	50 58,17	2,360	51 57 47,8	14,732	164
27337	Virgo	7	50 58,33	3,011	86 17 41,8	14,732	338
27338	Bootes	9	51 1,21	2,920	80 36 41,7	14,729	472
27339	Libra	8½	51 1,87	3,422	111 12 50,3	14,728	343
27340	Bootes	9	51 5,16	2,359	51 56 50,8	14,725	164
27341	Bootes	8	51 5,27	2,531	59 19 41,0	14,725	70
27342	Libra	7	51 11,71	3,107	92 21 30,4	14,718	155
27343	Bootes	7	51 14,90	2,587	62 2 24,6	14,715	335
27344	Bootes	9	51 16,09	2,367	52 17 29,0	14,714	164
27345	Libra	9	51 19,40	3,302	104 20 17,0	14,711	160
27346	Libra	9	51 19,83	3,419	111 2 1,0	14,711	343
27347	Libra	7½	51 24,38	3,190	97 32 43,2	14,706	154
27348	Bootes .....	.	51 28,14	2,686	67 9 18,6	14,702	68
27349	Libra	7	51 30,54	3,178	96 46 40,0	14,700	289
27350	Serpens	8	51 33,54	3,046	88 29 12,8	14,697	291
27351	Bootes	8½	51 33,90	2,415	54 16 37,0	14,696	61
27352	Serpens	6½	51 35,32	3,059	89 20 24,6	14,695	291
27353	Serpens	6	51 35,34	3,059	89 20 26,2	14,695	338
27354	Libra	9	51 36,36	3,297	104 5 0,2	14,694	160
27355	Bootes	8	51 43,62	2,790	72 57 3,1	14,687	72
27356	Bootes	8	51 43,74	2,792	73 2 27,3	14,687	72
27357	Bootes	9	51 45,27	1,795	35 33 2,7	14,685	354
27358	Bootes	7	51 45,89	2,293	49 33 17,6	14,685	289
27359	Bootes	8½	51 46,42	2,890	78 50 2,1	14,684	470
27360	Bootes	7	14 51 46,50	+2,293	49 33 12,1	+14,684	9

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			h m s	s	° ' "	"	
27361	Virgo	8	14 51 51.68	+3,003	85 50 22.6	+14,679	338
27362	Libra	7	51 51.91	3,182	97 2 37.8	14,678	289
27363	Libra	6½	51 53.16	3,345	106 50 0.3	14,677	341
27364	Bootes	6	51 53.54	2,723	69 9 17.9	14,677	69
27365	Bootes	6	51 54.35	2,686	67 9 12.4	14,676	58
27366	Libra	7	51 54.53	3,346	106 50 21.5	14,676	342
27367	Bootes	6	51 56.46	2,303	49 56 1.4	14,674	9
27368	Bootes	6½	51 56.67	2,303	49 56 3.0	14,674	289
27369	Bootes	9	51 56.89	2,230	47 21 42.8	14,674	161
27370	Libra	9	51 59.54	3,113	92 43 15.9	14,671	155
27371	Bootes	9½	52 0.79	2,608	63 10 27.5	14,670	163
27372	Libra	8	52 3.85	3,224	99 35 39.3	14,667	156
27373	Bootes .....	.	52 8.75	2,796	73 19 4.2	14,662	74
27374	Bootes	7½	52 11.01	2,490	57 35 22.8	14,660	70
27375	Bootes	9	52 11.72	2,613	63 24 5.8	14,659	163
27376	Libra	7½	52 11.96	3,265	102 3 37.9	14,659	345
27377	Bootes	8½	52 15.33	2,555	60 36 38.5	14,656	166
27378	Bootes	8½	52 19.18	2,909	80 2 52.8	14,651	472
27379	Bootes	9	52 20.18	2,841	75 56 11.4	14,650	159
27380	Libra	7	52 22.48	3,105	92 13 57.6	14,648	155
27381	Serpens	9	52 23.28	3,041	88 11 22.1	14,647	291
27382	Libra	3	52 23.33	3,486	114 28 57.8	14,647	343
27383	Libra	3	52 23.55	3,486	114 29 7.8	14,647	345
27384	Libra	4	52 24.19	3,486	114 29 16.4	14,646	472
27385	Libra	7½	52 24.30	3,328	105 47 44.5	14,646	341
27386	Bootes	8	52 29.52	2,876	78 2 44.9	14,641	470
27387	Bootes	8½	52 31.73	2,797	73 24 39.2	14,639	74
27388	Bootes	9	52 33.41	2,298	49 51 7.1	14,637	9
27389*	Bootes	9	52 38.55	2,494	57 49 12.8	14,632	70
27390	Bootes	8½	52 41.33	2,407	54 5 36.4	14,630	61
27391	Libra	8	52 43.78	3,302	104 15 7.1	14,627	160
27392	Bootes	9	52 45.53	2,369	52 34 40.7	14,625	164
27393	Virgo	5½	52 47.85	3,023	87 6 51.2	14,623	338
27394	Bootes	8½	52 48.25	2,873	77 51 59.6	14,623	470
27395	Bootes	8	52 52.59	2,809	74 7 3.0	14,618	74
27396*	Bootes	7	52 55.16	2,141	44 36 50.7	14,616	352
27397	Bootes	7	52 56.49	2,141	44 36 52.8	14,614	353
27398	Bootes	6½	52 56.58	2,141	44 36 53.5	14,614	8
27399	Libra	8½	52 58.25	3,179	96 46 44.8	14,612	289
27400	Libra	8½	14 53 3.88	+3,310	104 40 3.1	+14,607	160

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			h m s	s	° ' "	"	
27401	Libra	8½	14 53 4.23	+3,235	100 12 36.6	+14,607	156
27402	Libra	8½	53 8.38	3,310	104 42 9.1	14,602	160
27403	Serpens	7½	53 12.52	3,043	88 18 54.2	14,598	291
27404	Bootes	8½	53 13.18	2,903	79 42 3.3	14,597	472
27405	Bootes	8	53 13.51	2,836	75 44 14.0	14,597	159
27406	Bootes	7	53 16.32	2,792	73 9 17.8	14,595	72
27407	Bootes	7	53 17.27	2,792	73 9 16.6	14,594	74
27408	Libra	8	53 17.44	3,352	107 6 41.6	14,593	341
27409	Bootes α	5	53 20.95	2,626	64 11 34.2	14,590	163
27410	Bootes α	5	53 21.19	2,626	64 11 37.3	14,590	66
27411	Bootes	7	53 22.62	2,979	84 22 16.4	14,588	337
27412	Bootes	9	53 26.35	2,450	55 59 44.8	14,584	162
27413	Bootes	8½	53 26.65	2,869	77 40 52.3	14,584	470
27414	Libra	9	53 26.73	3,235	100 13 56.4	14,584	156
27415	Libra	8	53 34.14	3,168	96 5 42.8	14,577	290
27416	Bootes	9	53 36.79	1,773	35 19 40.3	14,574	354
27417	Bootes	8	53 38.10	1,774	35 20 25.3	14,573	354
27418	Libra	8	53 40.98	3,302	104 12 10.6	14,570	160
27419	Bootes	9	53 41.85	2,712	68 45 47.7	14,569	69
27420	Libra	7	53 44.24	3,445	112 13 24.0	14,566	345
27421	Bootes	9	53 46.67	2,232	47 39 6.5	14,564	161
27422	Bootes	7½	54 0.51	2,757	71 13 50.1	14,550	72
27423	Bootes	8	54 2.04	2,929	81 17 30.8	14,549	287
27424	Libra	9	54 3.24	3,353	107 5 19.4	14,547	341
27425	Serpens	8	54 8.46	3,071	90 6 52.7	14,542	338
27426	Bootes	8	54 8.92	2,627	64 19 32.0	14,542	163
27427	Bootes	9	54 8.99	2,627	64 19 35.2	14,541	66
27428	Bootes	9	54 9.77	2,455	56 17 24.9	14,541	162
27429	Bootes	7½	54 10.62	2,757	71 13 52.9	14,540	74
27430	Bootes	8	54 11.40	2,968	83 42 46.1	14,539	337
27431	Bootes	7½	54 11.40	2,968	83 42 52.1	14,539	337
27432	Bootes	8	54 14.15	2,802	73 47 14.1	14,537	74
27433	Bootes	7	54 14.36	2,483	57 31 26.9	14,536	70
27434*	Libra	8	54 14.72	3,445	112 10 56.7	14,536	345
27435	Bootes	7½	54 19.57	2,446	55 55 57.5	14,531	162
27436	Bootes	7½	54 20.86	2,304	50 16 39.7	14,530	9
27437	Bootes β	3	54 24.05	2,263	48 48 33.6	14,527	78
27438	Bootes β	3	54 24.39	2,263	48 48 50.3	14,526	161
27439	Bootes β	3½	54 24.45	2,263	48 48 47.0	14,526	76
27440	Bootes β	3	14 54 24.89	+2,263	48 48 51.4	+14,526	289

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27441	Draco.....	5	14 54 26.42	+0.924	23 15 59.9	+14.524	356
27442	Bootes	8	54 26.47	2.882	78 28 22.3	14.524	470
27443	Bootes	9	54 28.14	2.841	76 6 8.1	14.522	159
27444	Bootes	7½	54 34.16	2.557	60 56 25.0	14.516	166
27445	Bootes	6½	54 35.01	2.557	60 56 25.8	14.516	335
27446*	Libra	7	54 37.54	3.453	112 32 5.8	14.513	345
27447	Bootes	8	54 41.91	2.162	45 30 0.5	14.509	8
27448	Bootes	9	54 43.96	2.615	63 46 53.2	14.506	66
27449	Bootes	8	54 44.91	2.213	47 9 12.1	14.505	8
27450	Bootes	8	54 52.80	2.832	75 33 45.2	14.497	159
27451	Libra	8	54 56.21	3.381	108 35 20.7	14.494	342
27452	Libra	9½	54 56.64	3.376	108 21 21.2	14.494	342
27453	Libra	6	54 56.91	3.429	111 14 36.2	14.493	343
27454	Libra	8	54 57.06	3.171	96 13 32.9	14.493	290
27455	Libra	9½	55 0.62	3.291	103 28 11.8	14.490	160
27456	Libra	9½	55 3.13	3.376	108 18 48.9	14.487	342
27457	Bootes	6	55 6.64	2.397	54 0 14.4	14.483	61
27458	Bootes	7	55 8.82	2.602	63 10 12.2	14.481	335
27459	Serpens	8	55 10.26	3.024	87 11 43.0	14.480	338
27460	Serpens	9	55 11.87	3.024	87 11 48.5	14.478	291
27461	Libra	9	55 13.51	3.128	93 34 52.1	14.477	292
27462	Libra	9	55 14.29	3.240	100 24 39.6	14.476	156
27463	Bootes	8	55 16.48	2.437	55 38 18.9	14.474	162
27464	Bootes	9	55 16.95	2.266	49 2 14.4	14.473	161
27465	Serpens	8	55 18.55	3.078	90 31 39.4	14.472	338
27466	Bootes	9	55 20.65	2.302	50 20 37.4	14.469	289
27467	Bootes	8	55 20.83	2.302	50 20 41.2	14.469	9
27468	Bootes	8	55 21.13	2.954	82 54 31.2	14.469	287
27469	Libra	8½	55 23.04	3.089	91 12 49.2	14.467	155
27470	Bootes	7½	55 24.78	2.721	69 22 16.3	14.465	74
27471	Libra..... γ ¹	5	55 29.72	3.326	105 28 20.2	14.460	341
27472	Bootes	8	55 34.17	2.412	54 38 33.9	14.456	61
27473	Libra	7½	55 37.09	3.269	102 7 19.7	14.453	345
27474	Bootes	9	55 37.62	2.416	54 49 41.0	14.452	61
27475	Libra	7	55 38.00	3.471	113 24 36.7	14.452	345
27476	Libra..... γ ²	6	55 40.64	3.330	105 42 1.6	14.449	341
27477	Bootes	8½	55 42.87	2.823	75 6 40.4	14.447	74
27478	Bootes	8	55 43.46	2.831	75 33 31.9	14.446	159
27479	Bootes	8	55 48.25	2.537	60 7 58.9	14.441	166
27480	Bootes	8½	14 55 50.93	+2.860	77 15 41.5	+14.439	470

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27481	Bootes ψ	5	14 55 52.26	+2,581	62 15 53.1	+14.438	335
27482	Bootes	8	55 52.28	2,672	66 47 34.6	14.438	68
27483	Bootes	8	55 54.52	2,992	85 13 36.8	14.435	337
27484	Bootes	9½	55 55.96	2,831	75 34 24.8	14.434	159
27485	Bootes	8	55 56.43	2,861	77 21 21.6	14.433	470
27486	Libra	8½	55 58.18	3,087	91 5 1.7	14.431	338
27487	Bootes	8	55 58.42	2,865	77 34 42.9	14.431	470
27488	Libra	8½	55 59.46	3,406	109 55 10.0	14.430	343
27489	Bootes	7½	55 59.50	2,988	84 58 53.3	14.430	337
27490	Bootes	7	56 3.12	2,126	44 34 7.0	14.427	353
27491	Bootes	8	56 3.17	2,611	63 44 51.8	14.426	163
27492	Bootes	8	56 4.13	2,611	63 44 52.8	14.426	66
27493	Bootes	9	56 12.88	2,227	47 48 15.6	14.417	76
27494	Libra	9	56 17.39	3,200	97 59 17.3	14.412	154
27495	Libra	8½	56 22.37	3,300	103 53 47.4	14.407	160
27496	Bootes	7	56 23.39	2,966	83 39 51.7	14.406	337
27497	Serpens	7	56 24.22	3,008	86 12 23.7	14.405	338
27498	Libra	8	56 26.75	3,203	98 8 46.9	14.403	154
27499	Bootes	7½	56 27.19	2,665	66 31 44.1	14.402	68
27500	Libra	8½	56 32.71	3,299	103 50 4.1	14.396	160
27501	Bootes	8	56 35.76	2,462	56 52 27.6	14.393	162
27502	Bootes	8½	56 37.34	2,709	68 49 22.8	14.392	69
27503	Libra	9½	56 39.45	3,094	91 30 56.6	14.390	155
27504	Libra	9	56 48.67	3,094	91 30 0.6	14.380	155
27505	Libra	•	56 51.16	3,434	111 19 3.6	14.378	345
27506	Libra	8	56 55.70	3,299	103 48 45.9	14.373	160
27507	Serpens	6½	57 1.30	3,018	86 51 18.0	14.367	338
27508	Bootes	7½	57 2.79	2,303	50 36 41.3	14.366	289
27509	Bootes	7	57 3.29	2,303	50 36 40.8	14.365	9
27510	Bootes	9	57 6.34	2,953	82 51 20.8	14.362	287
27511	Bootes	9	57 8.65	2,637	65 7 7.8	14.360	163
27512	Libra	6	57 8.82	3,519	115 43 13.1	14.360	472
27513	Bootes	9	57 9.24	2,637	65 7 10.0	14.359	66
27514	Bootes..... i	5	57 11.16	2,016	41 33 41.5	14.357	353
27515	Serpens	8	57 12.12	3,057	89 11 29.2	14.356	291
27516	Libra	7½	57 13.97	3,256	101 16 11.6	14.355	467
27517	Libra	7½	57 14.04	3,256	101 16 9.2	14.354	345
27518	Libra	•	57 14.84	3,255	101 14 8.1	14.353	156
27519	Libra	7½	57 18.77	3,453	112 17 19.3	14.350	345
27520	Bootes	9½	14 57 20.92	+2,824	75 15 10.9	+14.347	159

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27521	Bootes	9	14 57 21.32	+2,824	75 15 6.0	+14,347	74
27522	Ursa Minor ..	8	57 27.36	0,769	22 7 2.7	14,341	356
27523	Bootes	8½	57 31.35	2,821	75 6 54.7	14,337	74
27524	Bootes	9	57 31.39	2,821	75 6 58.7	14,337	159
27525	Bootes	8	57 31.52	2,489	58 9 5.3	14,337	70
27526	Bootes .....	.	57 32.92	2,619	64 16 46.9	14,335	66
27527	Bootes	8	57 33.07	2,231	48 6 25.6	14,335	161
27528	Bootes	9	57 33.15	2,619	64 16 44.9	14,335	163
27529	Bootes	8	57 33.50	2,230	48 6 21.4	14,334	76
27530	Bootes	8½	57 33.51	2,834	75 52 24.7	14,334	159
27531	Libra	8½	57 34.78	3,186	97 6 31.9	14,333	154
27532	Bootes	7½	57 34.92	2,887	78 55 25.8	14,333	470
27533	Libra	8	57 35.13	3,186	97 6 39.1	14,333	290
27534	Bootes	7	57 36.17	2,909	80 15 36.9	14,332	472
27535	Bootes	7	57 36.23	2,909	80 15 37.0	14,331	167
27536	Bootes	8½	57 36.45	2,534	60 13 3.4	14,331	166
27537	Libra	8½	57 40.73	3,118	92 58 44.0	14,327	155
27538	Bootes	8½	57 41.55	2,525	59 47 8.0	14,326	166
27539	Bootes	7	57 41.74	2,954	82 57 6.0	14,326	287
27540	Bootes	7½	57 42.86	2,588	62 46 48.4	14,325	335
27541	Bootes	6	57 45.49	2,967	83 43 18.6	14,322	337
27542	Bootes	6	57 45.79	2,967	83 43 22.3	14,322	340
27543	Bootes	7½	57 46.46	2,882	78 41 5.3	14,321	470
27544	Libra	9	57 46.97	3,251	100 56 59.1	14,321	467
27545	Serpens	8	57 47.63	3,058	89 16 43.3	14,320	291
27546	Libra	9	57 47.92	3,251	100 56 57.9	14,320	156
27547	Bootes	7	57 53.30	2,904	79 59 49.5	14,314	472
27548	Bootes	8	57 53.61	2,904	79 59 48.6	14,314	167
27549	Bootes	8½	57 57.98	2,529	60 1 25.1	14,310	166
27550	Serpens	9	57 59.52	3,074	90 17 6.6	14,308	338
27551	Bootes	8½	58 0.93	2,533	60 13 58.3	14,306	166
27552	Libra	7½	58 2.09	3,252	101 0 53.4	14,306	467
27553	Libra	7½	58 2.38	3,252	101 0 50.1	14,305	345
27554	Libra	8	58 2.98	3,253	101 2 45.1	14,304	156
27555	Libra	8½	58 3.76	3,361	107 14 8.8	14,304	342
27556	Bootes	9	58 4.48	2,485	58 2 46.0	14,303	70
27557	Bootes .....	.	58 8.71	2,444	56 17 43.6	14,298	162
27558	Bootes	8	58 9.67	2,910	80 20 20.9	14,297	472
27559	Bootes	7	58 10.41	2,910	80 20 19.0	14,297	167
27560	Bootes	6	14 58 10.52	+2,743	70 46 38.0	+14,297	74

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27561	Bootes	6	14 58 10,55	+2,743	70 46 38,0	+14,297	72
27562	Bootes	8	58 11,93	2,675	67 12 18,1	14,295	69
27563	Libra	6	58 13,08	3,470	113 8 33,8	14,294	345
27564	Libra	7½	58 17,53	2,992	85 17 27,5	14,290	337
27565	Serpens	8	58 17,92	2,992	85 17 29,7	14,289	338
27566	Serpens	7½	58 18,27	2,992	85 17 28,2	14,288	344
27567	Libra	6½	58 23,74	3,407	109 44 38,4	14,283	343
27568	Serpens	8½	58 25,50	3,073	90 11 59,3	14,281	338
27569	Bootes	7½	58 26,47	2,885	78 53 3,6	14,281	470
27570	Bootes c	5	58 30,45	2,618	64 20 32,6	14,276	163
27571	Libra	5½	58 30,68	3,519	115 33 26,3	14,276	472
27572	Bootes	5	58 30,85	2,618	64 20 32,6	14,276	66
27573	Bootes	7½	58 39,47	2,889	79 6 26,9	14,267	470
27574	Bootes	8	58 43,05	2,674	67 12 14,0	14,263	68
27575	Bootes	6½	58 44,39	2,357	52 46 2,0	14,262	164
27576	Libra	9	58 45,74	3,249	100 47 59,5	14,261	467
27577	Libra	9	58 46,27	3,320	104 55 52,7	14,260	160
27578	Bootes k	6	58 47,77	1,990	41 4 16,3	14,258	353
27579	Serpens	8	58 49,61	3,029	87 32 9,6	14,257	291
27580	Bootes	7½	58 52,18	2,663	66 39 15,2	14,254	68
27581	Bootes	7½	58 55,25	2,657	66 18 44,8	14,251	68
27582	Libra	8	58 55,58	3,363	107 17 4,0	14,251	342
27583	Libra	8½	58 56,00	3,273	102 12 13,7	14,250	345
27584	Libra	9	58 56,34	3,187	97 5 46,6	14,250	154
27585	Bootes	8	58 59,67	2,889	79 7 27,9	14,246	470
27586	Bootes	8½	59 0,85	2,538	60 32 55,3	14,245	166
27587	Bootes	9	59 1,54	2,837	76 6 41,7	14,244	159
27588	Bootes	•	59 2,67	2,417	55 15 24,3	14,243	162
27589	Libra	7	59 5,36	3,146	94 37 8,3	14,240	292
27590	Bootes	8½	59 6,65	2,733	70 19 59,1	14,239	74
27591	Libra	8½	59 6,68	3,244	100 29 23,3	14,239	467
27592	Libra	•	59 6,84	3,244	100 29 25,8	14,239	156
27593	Serpens	8	59 7,99	2,971	84 1 23,7	14,238	340
27594	Bootes	8	59 10,67	2,691	68 7 55,9	14,235	69
27595	Bootes	8½	59 20,08	2,904	80 3 6,2	14,225	167
27596	Libra	8½	59 20,45	3,168	95 56 41,3	14,225	290
27597	Bootes	9	59 22,86	2,692	68 9 19,8	14,222	69
27598*	Bootes	6½	59 26,10	2,834	75 59 42,3	14,219	159
27599	Serpens	6½	59 27,19	2,993	85 21 36,5	14,218	337
27600	Serpens	7	14 59 27,23	+2,993	85 21 33,7	+14,218	338

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27601	Serpens	6½	14 59 27,63	+2,993	85 21 41,2	+14,218	344
27602	Bootes	8	59 30,80	2,540	60 42 20,3	14,214	166
27603	Serpens	8	59 31,30	3,045	88 30 21,4	14,214	291
27604	Libra	9	59 32,38	3,097	91 39 0,9	14,212	346
27605	Bootes	8	59 33,82	2,456	56 57 59,2	14,211	70
27606	Libra	8	59 34,16	3,438	111 18 20,3	14,211	345
27607	Libra	8½	59 34,39	3,438	111 18 16,1	14,211	343
27608	Bootes	9	59 37,34	2,696	■ 23 2,1	14,208	69
27609	Bootes	8	59 39,74	2,252	49 7 5,7	14,205	76
27610	Bootes	8	59 39,85	2,252	49 7 7,8	14,205	161
27611	Bootes	7	59 41,65	2,422	55 31 17,2	14,203	162
27612	Serpens	7½	59 42,48	3,071	90 6 24,9	14,202	338
27613	Bootes	9	59 43,78	2,914	80 38 4,2	14,201	472
27614	Bootes b	6	59 45,63	2,587	62 55 27,1	14,199	335
27615	Serpens	8	59 46,64	2,996	85 31 15,9	14,198	338
27616	Serpens	7½	59 46,65	2,996	85 31 19,7	14,198	337
27617	Serpens	7½	59 47,00	2,996	85 31 20,4	14,198	344
27618	Bootes	8½	59 47,66	2,729	70 11 11,7	14,197	74
27619	Bootes	6	59 52,56	2,611	64 7 5,0	14,192	163
27620	Bootes	6	59 52,69	2,611	64 7 5,8	14,192	66
27621	Bootes	8½	59 54,26	2,226	48 14 54,8	14,190	76
27622	Bootes	8½	59 54,47	2,226	48 14 54,0	14,190	161
27623	Serpens	8	14 59 58,52	3,074	90 17 20,3	14,186	338
27624	Libra	9	15 □ 2,75	3,182	96 46 34,7	14,182	290
27625	Bootes	8½	□ 6,23	2,230	48 24 40,1	14,178	161
27626	Bootes	8½	□ 6,41	2,230	48 24 33,9	14,178	76
27627	Ursa Minor ..	9	□ 8,99	0,644	21 18 44,3	14,175	356
27628	Bootes	6½	□ 14,48	2,420	55 31 18,0	14,169	61
27629	Libra	7½	□ 15,51	3,276	102 17 10,9	14,168	345
27630	Bootes	9	□ 15,99	2,255	49 17 37,1	14,168	9
27631	Bootes	9	□ 21,29	2,425	55 44 52,3	14,162	162
27632	Serpens	8	□ 22,54	2,989	85 6 42,5	14,161	340
27633	Bootes	8	□ 25,46	2,181	46 50 12,2	14,158	8
27634	Bootes	9	□ 26,21	2,657	66 26 22,5	14,157	63
27635	Libra	7½	□ 27,69	3,249	100 42 9,0	14,156	467
27636	Libra	8	□ 28,04	3,249	100 42 6,2	14,155	156
27637	Libra	9	□ 29,72	3,241	100 16 45,1	14,153	468
27638	Libra	9	□ 30,12	3,242	100 17 9,6	14,153	156
27639	Libra	7½	□ 40,29	3,339	105 50 41,8	14,143	341
27640	Libra	7	15 □ 40,59	+3,331	105 23 29,4	+14,142	160

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27641	Libra	6½	15	40,64		+3,331	105 23 32,3	+14,142	341
27642	Libra	7½		0 40,95		3,331	105 23 28,2	14,142	347
27643	Bootes	8		42,28		2,261	49 33 29,1	14,141	9
27644	Bootes	7½		0 42,73		2,429	55 57 57,4	14,140	162
27645	Bootes	8½		0 43,92		2,913	80 38 3,7	14,139	167
27646	Bootes	9		0 44,78		2,618	64 33 18,2	14,138	163
27647	Bootes	8		44,85		2,618	64 33 13,0	14,138	66
27648	Bootes	8½		0 49,11		2,791	73 37 28,5	14,134	74
27649	Libra..... 1	4		0 51,13		3,397	109 1 24,9	14,131	342
27650	Libra	7		52,14		3,384	108 20 22,5	14,130	342
27651	Bootes	9		0 57,37		1,758	35 54 37,4	14,125	354
27652	Bootes	7		58,28		2,860	77 33 33,4	14,124	470
27653	Bootes .....	.	1	1,83		2,895	79 35 15,1	14,120	167
27654	Bootes	8	1	2,19		2,433	56 10 4,5	14,120	162
27655	Libra	8	1	8,43		3,205	98 4 29,8	14,113	288
27656	Libra	7½	1	10,14		3,336	105 38 45,5	14,112	160
27657	Libra	7	1	10,35		3,336	105 38 50,5	14,111	341
27658	Bootes	8	1	11,64		2,325	51 54 59,4	14,110	164
27659	Serpens	8	1	12,59		2,934	81 54 25,2	14,109	169
27660	Libra	8½	1	13,01		3,148	94 42 56,1	14,109	292
27661	Libra	7½	1	15,36		3,094	91 29 32,3	14,106	346
27662	Libra	8	1	18,19		3,324	104 57 0,9	14,103	347
27663	Libra	8	1	18,48		3,324	104 57 3,2	14,103	160
27664	Bootes	9	1	19,44		2,728	70 14 36,2	14,102	74
27665	Serpens	7½	1	26,71		3,010	86 24 17,5	14,095	338
27666	Serpens	7	1	26,94		3,010	86 24 19,9	14,094	344
27667	Bootes	9	1	37,67		2,834	76 7 36,9	14,083	159
27668	Libra	6	1	37,77		3,479	113 14 43,6	14,083	345
27669	Libra	8½	1	38,57		3,308	104 1 50,9	14,083	347
27670	Bootes	8½	1	39,20		2,594	63 29 2,8	14,082	163
27671	Bootes	9	1	39,45		1,770	36 14 12,3	14,081	354
27672	Bootes	9	1	40,41		2,315	51 36 37,0	14,080	164
27673	Bootes	8	1	45,65		2,601	63 47 23,0	14,075	163
27674	Bootes	8½	1	46,05		2,601	63 47 23,7	14,075	66
27675	Bootes	8½	1	46,37		2,836	76 12 7,9	14,074	159
27676	Bootes .....	.	1	46,91		2,657	66 34 57,2	14,073	118
27677	Bootes	8	1	48,81		2,892	79 27 26,6	14,071	167
27678	Libra	6	1	49,55		3,505	114 32 42,8	14,071	472
27679	Bootes	1	49,91		2,914	80 42 59,5	14,070	167
27680	Bootes	8½	15	1 50,93		+2,604	63 58 48,2	+14,069	163

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27681	Bootes	9	15 1 51.50	+2,604	63 58 42.9	+14,069	66
27682	Libra	9	1 55.82	3,477	113 8 49.7	14,064	345
27683*	Libra	6	1 57.35	3,396	108 52 55.8	14,063	342
27684	Bootes	8	1 59.75	2,886	79 6 40.9	14,060	167
27685	Bootes	8	2 0.20	2,886	79 6 43.8	14,060	472
27686	Bootes	9	2 0.55	2,507	59 28 27.3	14,059	166
27687	Bootes	9	2 2.75	2,161	46 23 18.2	14,057	8
27688	Serpens	9	2 6.64	3,017	86 50 25.5	14,053	344
27689	Bootes	9	2 8.59	2,734	70 37 38.3	14,051	74
27690	Bootes	8½	2 9.60	2,388	54 28 53.2	14,050	61
27691	Bootes	8	2 9.72	2,884	79 1 15.8	14,050	167
27692	Bootes	7	2 10.05	2,884	79 1 16.5	14,049	472
27693	Serpens	7½	2 13.81	2,985	84 54 48.9	14,046	340
27694	Bootes	7½	2 16.14	2,892	79 27 25.2	14,043	472
27695	Bootes	8	2 16.85	2,863	77 45 47.6	14,043	470
27696	Bootes	8	2 20.00	2,276	50 15 30.8	14,039	289
27697	Serpens	7	2 22.85	3,063	89 37 12.3	14,036	338
27698	Serpens	7	2 23.45	3,063	89 37 11.2	14,036	291
27699	Libra	6½	2 23.84	3,242	100 14 28.9	14,035	467
27700	Libra	6½	2 24.06	3,242	100 14 42.4	14,035	468
27701	Bootes	8	2 24.21	2,311	51 32 24.7	14,035	164
27702	Libra	7	2 24.54	3,242	100 14 32.0	14,034	156
27703	Bootes	9½	2 28.80	2,481	58 23 14.7	14,030	70
27704	Bootes	7½	2 28.95	2,518	60 0 15.7	14,030	166
27705	Bootes	7	2 31.17	2,706	69 11 35.1	14,027	69
27706	Bootes	7½	2 32.16	2,429	56 9 19.0	14,026	162
27707	Bootes	9	2 34.08	2,389	54 32 2.1	14,024	61
27708	Libra	7½	2 35.65	3,119	92 55 46.2	14,023	292
27709*	Libra	8	2 35.77	3,119	92 55 44.5	14,023	346
27710	Bootes	7½	2 36.23	2,485	58 33 52.8	14,022	70
27711	Bootes	9	2 39.87	2,791	73 44 46.1	14,018	74
27712	Bootes	8½	2 43.71	1,751	35 58 17.3	14,014	354
27713	Libra	8	2 45.23	3,295	103 15 45.7	14,013	160
27714	Serpens	7½	2 45.41	2,998	85 41 52.4	14,013	344
27715	Libra	8½	2 45.75	3,295	103 15 43.2	14,012	347
27716	Bootes	9	2 52.34	2,623	64 59 58.7	14,005	66
27717	Libra	8½	2 55.65	3,358	106 45 34.6	14,002	341
27718	Bootes	6½	2 58.39	2,726	70 15 49.7	13,999	75
27719	Libra	7	2 59.88	3,385	108 11 45.4	13,997	342
27720	Bootes	8	15 3 3.21	+2,421	55 54 55.6	+13,994	162

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27721	Bootes	9	15	3	3.93	+2,742	71	8	20.7	+13,993	72
27722	Libra	8		3	10.30	3,217	98	43	53.6	13,987	288
27723	Draco.....	8		3	10.46	1,510	31	34	28.7	13,987	355
27724	Libra	6½		3	11.11	3,375	107	40	11.1	13,986	342
27725	Bootes	6		3	11.12	2,661	66	55	22.1	13,986	68
27726	Bootes	8½		3	14.06	2,792	73	51	47.1	13,983	74
27727	Bootes	8½		3	14.89	2,178	47	4	7.7	13,982	76
27728	Bootes	9		3	15.59	2,178	47	4	8.2	13,981	8
27729	Libra	7		3	15.76	3,299	103	27	12.6	13,981	160
27730	Libra	7½		3	16.16	3,299	103	27	5.0	13,981	347
27731	Libra	6		3	17.79	3,363	107	■	32.0	13,979	341
27732	Serpens	9		3	20.06	2,945	82	35	54.4	13,976	169
27733	Serpens	9		3	23.37	2,900	79	59	37.9	13,973	167
27734	Bootes	7		3	25.94	2,875	78	31	59.7	13,970	470
27735	Bootes	9		3	29.48	2,508	59	40	57.9	13,967	166
27736	Draco.....	9		3	32.65	0,860	23	29	21.4	13,963	356
27737	Libra	8		3	32.85	3,461	112	9	48.6	13,963	345
27738	Serpens	7½		3	36.30	2,972	84	11	43.3	13,959	340
27739	Bootes	8		3	37.14	2,272	50	17	26.6	13,959	9
27740	Bootes	8		3	40.38	2,723	70	8	40.2	13,955	75
27741	Serpens	8½		3	41.72	3,089	91	7	45.7	13,954	338
27742	Bootes	7½		3	47.63	2,719	69	58	18.9	13,947	75
27743	Bootes	8		3	47.83	2,719	69	57	49.9	13,947	75
27744	Serpens	6½		3	50.03	3,079	90	33	57.5	13,945	338
27745	Bootes	9		3	50.56	2,791	73	49	13.7	13,945	74
27746	Libra	8½		3	52.31	3,195	97	27	23.3	13,942	288
27747	Libra	8		3	54.72	3,157	95	11	28.0	13,940	292
27748	Bootes	9		3	55.23	2,699	58	56	3.2	13,940	69
27749	Bootes	8½		3	56.06	2,829	75	57	58.0	13,939	159
27750	Serpens	9		3	56.90	2,927	81	33	9.6	13,938	169
27751	Serpens	9		3	57.30	2,942	82	25	48.9	13,937	169
27752	Bootes	10		3	59.06	2,790	73	47	1.6	13,936	74
27753	Libra	7		4	4.51	3,114	92	36	32.6	13,930	346
27754	Bootes	9		4	6.44	2,209	48	12	9.5	13,928	76
27755	Bootes	8		4	9.08	2,832	76	7	38.1	13,925	159
27756	Bootes	9		4	9.35	2,463	57	46	6.3	13,925	70
27757	Bootes	7½		4	13.81	2,330	52	29	12.9	13,920	164
27758	Bootes	8½		4	15.51	2,610	64	29	25.9	13,918	163
27759	Bootes	9½		4	15.71	2,543	61	18	42.4	13,918	166
27760	Libra	9	15	4	17.05	+3,424	110	11	1.1	+13,917	343

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27761	Bootes	9	15	4	17,23	+2,543	61 18 24,4	+13,916	166
27762	Bootes	9		4	17,50	2,217	48 29 43,6	13,916	76
27763	Libra	6		4	18,91	3,150	94 44 53,7	13,915	292
27764	Bootes	9		4	21,21	2,277	50 34 9,5	13,912	289
27765	Bootes	8½		4	23,71	2,277	50 34 9,5	13,910	289
27766	Serpens	9		4	24,95	3,003	86 1 38,7	13,908	344
27767*	Serpens	8		4	27,41	2,973	84 15 4,3	13,906	340
27768	Bootes	9		4	30,94	2,873	78 29 54,4	13,902	470
27769	Libra	8½		4	31,05	3,252	100 41 41,6	13,902	467
27770	Libra	8		4	31,12	3,250	100 36 36,7	13,902	468
27771	Libra	8½		4	31,30	3,252	100 41 37,0	13,901	156
27772	Bootes	9		4	33,19	2,340	52 53 9,1	13,900	164
27773	Libra	8		4	36,68	3,098	91 39 32,2	13,896	346
27774	Bootes	10		4	37,36	2,465	57 54 13,4	13,895	70
27775	Libra	8½		4	40,26	3,309	103 56 19,1	13,892	347
27776	Bootes	5½		4	40,72	2,646	66 15 57,6	13,892	68
27777	Bootes	7½		4	43,76	2,350	53 16 9,4	13,889	164
27778	Serpens	8½		4	44,92	3,036	87 58 26,3	13,887	291
27779	Bootes	8		4	45,79	2,350	53 16 16,9	13,887	61
27780	Bootes .....	.		4	48,62	2,267	50 15 15,9	13,884	10
27781	Libra	6		4	49,16	3,453	111 38 54,8	13,883	345
27782	Bootes	7½		4	49,82	2,267	50 15 18,1	13,882	289
27783	Serpens	8		4	50,23	3,077	90 25 16,9	13,882	338
27784	Serpens	8½		4	51,24	2,872	78 26 17,4	13,881	470
27785	Bootes	9		4	56,36	2,753	71 49 56,8	13,875	72
27786	Libra	7		5	6,94	3,485	113 15 39,5	13,864	345
27787	Libra .....	.		5	7,84	3,485	113 15 38,4	13,863	472
27788	Bootes	9		5	11,41	2,112	45 15 39,8	13,859	352
27789	Bootes	9		5	12,78	2,112	45 15 35,6	13,858	8
27790	Serpens	6		5	15,28	2,973	84 18 30,3	13,855	340
27791	Libra	9		5	16,06	3,238	99 50 48,1	13,855	467
27792	Libra	8½		5	16,16	3,237	99 50 45,8	13,854	156
27793	Libra	9		5	16,65	3,238	99 50 47,6	13,854	468
27794	Bootes	5		5	16,79	2,692	68 39 15,4	13,854	69
27795	Bootes	8½		5	18,16	2,275	50 34 39,2	13,852	289
27796	Draco	8		5	25,82	0,838	23 26 49,2	13,844	356
27797	Libra	8		5	32,04	3,284	102 28 3,1	13,838	345
27798	Bootes	9		5	36,43	2,819	75 29 11,7	13,833	159
27799	Bootes	8		5	37,60	2,653	66 42 14,8	13,832	61
27800	Serpens	6	15	5	38,55	+3,051	88 52 41,1	+13,831	291

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27801	Bootes	9	15	5	38.86	+2,198	48	1	58.8	+13,830	76
27802	Bootes	7		5	39.42	2,273	50	34	40.9	13,830	10
27803	Bootes	8		5	40.20	2,375	54	21	52.7	13,829	61
27804	Libra	9		5	41.57	3,232	99	29	35.3	13,827	156
27805	Bootes	9		5	41.63	2,615	64	50	27.8	13,827	163
27806	Bootes	9		5	43.16	2,342	53	6	4.9	13,826	164
27807	Libra	9		5	44.62	3,235	99	40	16.0	13,824	156
27808	Serpens	7½		5	46.51	3,043	88	26	50.1	13,822	291
27809	Libra	7		5	49.33	3,281	102	17	29.3	13,820	345
27810	Bootes	9		5	49.82	2,676	67	54	46.2	13,819	69
27811	Bootes	6		5	54.86	2,451	57	27	29.4	13,814	70
27812	Bootes	6½		5	55.00	2,451	57	27	27.1	13,813	162
27813	Serpens	7		5	56.61	2,883	79	7	15.2	13,812	470
27814	Serpens	7½		5	56.73	2,883	79	7	16.8	13,811	167
27815	Bootes	6		5	58.10	2,284	50	58	43.5	13,810	289
27816	Libra	9½		5	58.15	3,236	99	45	23.2	13,810	156
27817	Serpens	6½		6	2.84	2,947	82	47	5.1	13,805	287
27818	Serpens	7		6	3.25	2,947	82	46	58.9	13,804	169
27819	Serpens	9		6	3.31	3,060	89	25	17.4	13,804	338
27820	Bootes χ	6		6	7.47	2,511	60	5	7.5	13,800	166
27821	Libra..... β	2		6	12.74	3,217	98	37	53.7	13,795	340
27822	Bootes	6		6	15.58	1,939	40	40	5.3	13,792	357
27823	Libra..... β	2		6	15.84	3,217	98	38	4.7	13,791	288
27824	Libra..... β	2		6	15.98	3,217	98	38	7.1	13,791	290
27825	Libra	8		6	22.61	3,423	109	58	29.4	13,784	343
27826	Bootes	8		6	23.36	2,372	54	20	17.4	13,783	61
27827	Bootes	9		6	24.47	2,828	76	1	52.2	13,782	159
27828	Serpens	8½		6	35.83	2,870	78	25	36.1	13,770	470
27829	Draeo.....	8		6	37.47	1,585	33	13	13.3	13,768	355
27830	Bootes	9		6	39.09	2,782	73	31	37.3	13,767	74
27831	Bootes .....	.		6	41.17	2,768	72	45	29.4	13,764	72
27832	Bootes	8		6	41.27	2,823	75	46	51.8	13,764	159
27833	Libra	8		6	42.42	3,237	99	45	19.6	13,763	467
27834	Libra	7½		6	42.75	3,237	99	45	12.2	13,763	468
27835	Libra	7½		6	43.15	3,237	99	45	12.0	13,762	156
27836	Bootes	8		6	50.03	2,785	73	42	18.4	13,755	74
27837	Libra	8		6	51.03	3,426	110	7	0.3	13,754	343
27838	Bootes	9		6	53.28	2,515	60	20	40.5	13,752	166
27839	Bootes	6		6	53.30	2,136	46	12	12.7	13,752	8
27840	Libra	8	15	6	53.64	+3,493	113	30	12.4	+13,751	345

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27841	Libra	7½	15 6 54.90	+3,493	113 30 13.0	+13,750	472
27842	Serpens	7½	6 56.03	2,890	79 32 25.1	13,749	167
27843	Bootes	5½	16 57.40	2,164	47 4 36.6	13,747	8
27844	Bootes	8	7 0.68	2,406	55 44 17.1	13,744	162
27845	Bootes	7	7 3.30	2,586	63 36 30.1	13,741	163
27846	Bootes	6½	7 3.58	2,586	63 36 34.6	13,741	335
27847	Bootes	7	7 3.82	2,586	63 36 31.4	13,740	65
27848	Bootes	10	7 7.39	2,717	70 4 52.9	13,737	75
27849	Libra	9	7 10.29	3,248	100 17 15.2	13,733	468
27850	Libra	7	7 11.18	3,146	94 27 23.4	13,733	292
27851	Bootes	7	7 12.58	2,761	72 26 55.8	13,731	72
27852	Libra	8½	7 13.56	3,431	110 21 47.2	13,730	343
27853	Bootes	8	7 17.77	2,319	52 25 15.0	13,726	164
27854	Bootes	7	7 20.80	2,278	50 57 9.2	13,722	289
27855	Bootes	6½	7 20.98	2,281	51 2 8.5	13,722	10
27856	Bootes	8½	7 24.00	2,716	70 5 31.9	13,719	75
27857	Serpens	7	7 24.18	3,074	90 14 28.1	13,719	338
27858	Libra	9	7 26.18	3,280	102 10 54.8	13,717	345
27859	Bootes 8	3	7 26.43	2,410	55 55 52.1	13,716	162
27860	Libra	8	7 27.05	3,494	113 31 19.4	13,716	345
27861	Libra	6½	7 27.91	3,494	113 31 28.2	13,715	472
27862	Bootes	9	7 28.87	2,504	59 55 24.8	13,714	166
27863	Serpens	9	7 29.59	2,995	85 36 50.5	13,713	344
27864	Bootes	8	7 33.76	2,690	68 45 8.7	13,709	69
27865	Bootes	8	7 34.53	2,409	55 55 35.0	13,708	162
27866	Serpens	9	7 40.31	2,895	79 52 32.4	13,702	167
27867	Draco.....	7½	7 40.50	1,577	33 12 12.5	13,701	355
27868	Serpens	9	7 42.37	2,992	85 28 47.3	13,699	344
27869	Bootes	8	7 43.79	2,629	65 42 33.7	13,698	58
27870	Bootes	8	7 46.12	2,582	63 29 52.7	13,695	163
27871	Serpens	7½	7 50.41	2,919	81 14 43.1	13,691	287
27872	Serpens	8	7 51.01	2,922	81 24 39.1	13,690	169
27873	Libra .....	.	7 51.08	3,233	99 30 27.7	13,690	156
27874	Libra	7½	7 54.09	3,201	97 39 17.1	13,687	288
27875	Bootes	8	7 54.15	2,755	72 11 20.2	13,687	72
27876	Bootes	9	7 56.26	2,631	65 49 25.8	13,684	68
27877	Libra .....	.	7 57.47	3,495	113 31 40.6	13,683	345
27878	Libra	6½	7 58.71	3,495	113 31 48.3	13,682	472
27879	Libra	9	8 0.91	3,306	103 35 19.8	13,680	160
27880	Libra	7½	15 8 4.66	+3,396	108 25 42.3	+13,676	342

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27881	Libra	7½	15 8 7.37	+3,379	107 32 55.4	+13,673	341
27882	Libra	7	8 7.50	3,379	107 32 54.6	13,673	342
27883	Serpens	7½	8 11.44	3,070	90 2 27.5	13,668	338
27884	Serpens	6	8 11.65	3,065	89 43 11.9	13,668	338
27885	Serpens	7	8 12.80	3,041	88 19 2.4	13,667	291
27886	Bootes	5	8 14.11	1,876	39 21 34.0	13,665	357
27887	Bootes	9	8 15.34	2,303	51 55 54.1	13,664	164
27888	Serpens	9	8 15.90	3,067	89 51 27.1	13,663	339
27889	Bootes	7½	8 16.22	2,581	63 29 52.3	13,663	335
27890	Bootes .....	.	8 16.85	2,581	63 29 51.9	13,663	66
27891	Serpens	8½	8 17.50	2,852	77 26 47.6	13,662	470
27892	Bootes	8½	8 18.78	2,679	68 15 5.7	13,661	69
27893	Libra	8	8 20.54	3,429	110 7 42.2	13,659	343
27894	Draco.....	9	8 24.43	1,569	33 8 1.1	13,654	355
27895	Libra	9	8 26.34	3,250	100 26 23.0	13,652	156
27896	Libra	6	8 27.28	3,403	108 48 44.7	13,652	342
27897	Libra	8½	8 29.59	3,135	93 48 23.2	13,649	292
27898	Bootes	9	8 31.83	2,593	64 2 59.0	13,646	163
27899	Bootes	8	8 33.16	2,521	60 46 20.3	13,645	166
27900	Bootes	9½	8 33.78	2,190	48 6 4.8	13,645	76
27901	Libra	7	8 36.26	3,215	98 24 17.5	13,642	288
27902	Bootes	7½	8 39.33	2,399	55 36 24.3	13,639	162
27903	Ursa Minor ..	7½	8 39.39	0,578	21 27 49.9	13,639	356
27904	Bootes	7	8 42.83	2,308	52 11 13.1	13,635	164
27905	Bootes	8½	8 43.24	2,513	60 24 49.9	13,634	166
27906	Bootes .....	.	8 50.84	2,751	72 1 54.6	13,626	72
27907	Libra	8½	8 51.21	3,457	111 31 16.2	13,626	345
27908	Libra	9½	8 51.73	3,308	103 39 43.9	13,625	160
27909	Libra	9	8 55.21	3,251	100 26 49.3	13,622	467
27910	Corona	7½	8 57.26	2,553	62 14 28.8	13,619	335
27911	Libra	9	8 58.84	3,251	100 26 26.9	13,618	156
27912	Serpens	8	8 59.02	2,979	84 42 34.5	13,618	340
27913	Serpens	7½	9 6.44	2,876	78 49 57.5	13,610	470
27914	Serpens	9	9 6.44	2,876	78 50 11.5	13,610	470
27915	Serpens	8	9 6.73	2,876	78 49 58.4	13,609	167
27916	Serpens	9	9 6.73	2,876	78 50 15.3	13,609	167
27917	Serpens	5½	9 6.74	3,026	87 28 2.8	13,609	344
27918	Serpens	5½	9 7.05	3,026	87 28 2.6	13,609	291
27919	Libra	8	9 9.67	3,287	102 27 19.7	13,606	345
27920	Serpens	9	15 9 12.98	+2,936	82 16 19.1	+13,603	169

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27921	Corona	8½	15 9 13,76	+2,509	60 17 39,4	+13,602	166
27922	Libra	7½	9 15,04	3,206	97 54 45,8	13,601	288
27923	Libra	8½	9 15,18	3,105	92 2 22,5	13,600	346
27924	Libra	9	9 18,34	3,250	100 24 52,7	13,597	156
27925	Libra	9	9 18,71	3,250	100 25 7,2	13,596	467
27926	Libra	9	9 18,79	3,250	100 24 52,7	13,596	468
27927	Bootes .....	.	9 26,91	2,686	68 41 12,7	13,588	69
27928	Serpens	9	9 27,41	2,794	74 21 4,3	13,587	74
27929	Bootes	8	9 31,00	2,258	50 27 59,0	13,583	10
27930	Libra	7½	9 31,13	3,315	104 0 20,4	13,583	160
27931	Libra	8½	9 31,99	3,457	111 29 0,8	13,582	345
27932	Libra	6	9 34,41	3,378	107 25 9,6	13,579	341
27933	Libra	6	9 34,85	3,379	107 25 15,7	13,579	342
27934	Bootes	9	9 36,33	2,176	47 46 8,2	13,578	76
27935	Libra	8½	9 38,68	3,249	100 17 53,5	13,575	467
27936	Libra	8	9 38,79	3,248	100 17 46,0	13,575	468
27937	Serpens	9	9 38,91	2,794	74 20 14,3	13,575	74
27938	Libra	8	9 39,31	3,249	100 17 54,2	13,574	156
27939	Serpens	8½	9 41,32	3,000	85 55 54,8	13,572	344
27940	Serpens	8	9 42,95	2,789	74 5 40,9	13,570	74
27941	Bootes	8½	9 45,55	2,357	54 5 56,8	13,567	61
27942	Bootes	7½	9 45,88	2,464	58 25 29,9	13,567	70
27943	Corona	6	9 47,04	2,555	62 25 34,8	13,567	335
27944	Bootes	8	9 47,27	2,182	47 58 24,3	13,566	76
27945	Libra	7½	9 48,69	3,327	104 38 18,7	13,564	347
27946	Libra..... 0 ¹	6½	9 51,71	3,330	104 49 0,6	13,561	347
27947	Bootes	7½	9 52,91	2,396	55 40 1,0	13,559	162
27948	Libra	8½	9 58,35	3,380	107 29 12,1	13,554	342
27949	Corona	8½	10 0,38	2,514	60 36 20,6	13,552	166
27950	Libra	6½	10 4,95	3,145	94 23 8,7	13,547	292
27951	Corona	8	10 8,47	2,578	63 29 9,9	13,543	163
27952	Bootes	8	10 12,04	2,140	46 41 36,7	13,539	8
27953	Bootes	9	10 16,53	2,356	54 8 39,5	13,534	61
27954	Serpens	9	10 21,03	2,774	73 18 33,7	13,530	72
27955	Corona .....	.	10 22,35	2,595	64 20 10,0	13,528	66
27956	Libra	8½	10 26,71	3,461	111 36 38,9	13,523	345
27957	Serpens	6½	10 29,52	3,098	91 40 13,5	13,520	346
27958	Corona	7½	10 30,88	2,579	63 33 57,9	13,519	163
27959	Corona	9	10 31,40	2,631	66 1 24,0	13,518	68
27960	Libra	7½	15 10 31,44	+3,210	98 4 35,1	+13,518	288

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27961*	Libra	15 10 31.91	+3,171	95 52 56.1	+13,518	290
27962	Libra	8	10 33.60	3,525	114 43 47.6	13,516	472
27963	Corona	8	10 33.95	2,484	59 20 51.2	13,515	166
27964	Libra	9	10 34.36	3,268	101 21 23.1	13,515	345
27965	Serpens	8	10 38.62	2,764	72 48 6.0	13,510	72
27966	Libra	8	10 41.42	3,324	104 25 42.1	13,507	160
27967	Libra	8½	10 41.55	3,324	104 25 47.7	13,507	347
27968	Libra	9	10 41.79	3,257	100 45 21.3	13,507	467
27969	Libra	8	10 42.44	3,257	100 45 23.6	13,506	156
27970	Libra	8	10 43.96	3,259	100 50 3.9	13,505	156
27971	Libra	9	10 44.29	3,259	100 50 8.7	13,504	467
27972	Libra	8	10 45.02	3,474	112 14 52.7	13,504	345
27973	Serpens	7½	10 45.31	2,799	74 42 23.4	13,503	74
27974	Serpens	6	10 52.44	3,045	88 32 51.4	13,496	291
27975	Serpens	8	10 52.83	3,061	89 29 51.0	13,495	339
27976	Serpens	7	10 54.07	2,769	73 4 43.2	13,494	73
27977	Libra	8½	10 56.04	3,207	97 55 37.6	13,492	288
27978	Libra	8	10 57.01	3,175	96 5 44.8	13,491	290
27979	Serpens	8	11 1.43	2,901	80 21 7.0	13,486	167
27980	Libra	7½	11 5.70	3,473	112 10 10.9	13,481	345
27981	Serpens	9	11 6.20	2,854	77 43 27.7	13,481	470
27982	Serpens	8	11 6.66	2,923	81 35 13.0	13,480	287
27983	Bootes	9	11 6.85	1,951	41 31 5.8	13,480	353
27984	Serpens .....	.	11 11.13	2,761	72 42 50.8	13,475	73
27985	Bootes	8½	11 11.37	2,228	49 39 10.0	13,475	289
27986	Bootes	7	11 12.02	2,228	49 39 14.4	13,474	10
27987	Serpens	7½	11 14.48	3,072	90 8 33.3	13,472	339
27988	Corona	6½	11 16.86	2,490	59 41 52.3	13,469	166
27989	Serpens	8	11 20.91	2,964	83 53 15.7	13,465	340
27990	Bootes	6½	11 26.30	2,420	56 45 8.4	13,459	162
27991	Corona	9	11 26.63	2,633	66 15 4.0	13,459	68
27992	Bootes	7	11 28.67	2,030	43 39 15.0	13,456	352
27993*	Bootes	9	11 30.91	2,289	51 46 54.7	13,454	164
27994	Libra	8½	11 38.07	3,154	94 52 40.8	13,446	292
27995	Corona	9	11 41.02	2,570	63 15 52.2	13,443	163
27996	Bootes	9	11 42.38	2,279	51 28 47.4	13,442	164
27997	Bootes	9	11 45.26	2,288	51 46 48.6	13,438	164
27998	Corona	8	11 51.19	2,531	61 31 10.3	13,432	335
27999	Corona	6½	11 52.23	2,488	59 39 0.0	13,431	166
28000	Libra	6½	15 11 53.41	+3,325	104 24 30.7	+13,430	160

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28001	Libra	8	15 11 53.43	+3,253	100° 28' 44.6"	+13,430	468
28002	Libra..... 0 ²	7	11 53.86	3,325	104 24 27.4	13,429	347
28003	Bootes	8	11 54.14	2,160	47 31 23.2	13,429	76
28004	Serpens	8	11 55.63	2,817	75 45 10.1	13,427	159
28005	Serpens	9	11 55.86	2,909	80 49 10.5	13,427	167
28006	Corona	8½	12 3.18	2,485	59 31 35.9	13,419	166
28007	Serpens	8½	12 6.85	2,923	81 35 3.1	13,415	169
28008	Serpens	6½	12 7.14	2,959	83 40 34.1	13,415	340
28009	Libra	9	12 10.89	3,303	103 11 29.3	13,411	345
28010	Libra	9	12 11.88	3,258	100 43 46.6	13,409	468
28011	Libra	8	12 12.43	3,258	100 43 38.1	13,409	156
28012	Libra	7½	12 17.25	3,352	105 50 20.4	13,404	341
28013	Libra	8½	12 17.36	3,464	111 37 40.0	13,404	345
28014	Serpens	8	12 17.76	2,802	74 57 26.1	13,403	74
28015	Serpens	8½	12 20.14	3,084	90 48 32.7	13,401	339
28016	Serpens	8	12 21.51	2,872	78 46 4.1	13,399	470
28017	Ursa Minor ..	5½	12 23.47	0,592	21 53 17.0	13,397	356
28018	Libra	8	12 23.93	3,311	103 37 20.7	13,397	160
28019	Libra	8½	12 24.55	3,311	103 37 22.7	13,396	347
28020	Corona	6	12 28.09	2,591	64 18 46.0	13,392	163
28021	Corona	6	12 28.29	2,591	64 18 45.1	13,392	66
28022	Corona	8	12 32.15	2,628	66 5 27.7	13,387	111
28023	Libra	8½	12 33.59	3,472	112 11 2.2	13,386	345
28024	Serpens	9	12 36.46	2,920	81 27 28.4	13,383	287
28025	Serpens	8	12 38.34	2,723	70 50 2.7	13,381	75
28026	Serpens	8½	12 39.53	3,019	87 4 38.5	13,380	344
28027*	Serpens .....	.	12 41.11	2,761	72 46 2.1	13,378	73
28028	Bootes	7½	12 44.52	2,442	57 47 59.0	13,374	70
28029	Bootes	7	12 45.88	2,181	48 17 45.6	13,373	76
28030	Libra	8	12 48.93	3,172	95 52 48.7	13,369	290
28031	Bootes	9½	12 48.93	2,410	56 30 43.8	13,369	162
28032	Libra	7	12 49.44	3,533	114 56 38.9	13,369	472
28033	Serpens	7	12 50.53	3,049	88 48 40.5	13,368	291
28034	Libra	9	12 52.63	3,301	103 3 11.5	13,365	345
28035	Corona	7	12 53.64	2,603	64 55 46.7	13,364	66
28036	Libra	6½	12 54.91	3,275	101 38 43.6	13,363	467
28037	Serpens	10	12 55.62	2,834	76 42 26.1	13,362	159
28038	Libra	8	12 59.73	3,311	103 35 12.5	13,358	160
28039	Libra	8	13 0.07	3,311	103 35 10.5	13,357	347
28040	Libra	8	15 13 3.10	+3,418	109 14 33.2	+13,354	343

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28041	Serpens	8½	15 13 4.78	+2,994	85 39 52.9	+13,352	344
28042	Bootes	9	13 12.35	2,175	48 8 10.2	13,344	76
28043	Bootes	9	13 14.93	2,408	56 28 18.6	13,341	162
28044	Bootes	7	13 15.44	1,839	39 3 25.6	13,340	357
28045	Serpens	7½	13 18.37	2,951	83 13 42.0	13,337	340
28046	Libra	7	13 22.15	3,460	111 19 25.0	13,333	345
28047	Libra	4	13 22.23	3,239	99 35 35.9	13,333	468
28048	Libra	4	13 22.72	3,239	99 35 32.1	13,332	156
28049	Serpens	6	13 25.89	3,075	90 17 51.4	13,329	339
28050*	Serpens	8½	13 28.41	2,819	75 53 44.8	13,326	159
28051	Serpens	9	13 29.08	2,673	68 20 46.8	13,326	69
28052	Corona	8	13 29.08	2,521	61 13 13.0	13,326	166
28053	Libra	8½	13 30.31	3,286	102 11 8.0	13,324	345
28054	Bootes	8	13 31.17	2,170	48 1 38.0	13,323	76
28055	Serpens	8	13 35.08	2,764	73 0 55.2	13,319	73
28056	Corona	7½	13 35.72	2,583	64 1 52.3	13,318	163
28057	Corona	7½	13 36.06	2,583	64 1 51.4	13,318	66
28058	Serpens	9	13 36.73	2,919	81 27 20.4	13,317	169
28059	Serpens	9	13 42.19	2,923	81 38 2.5	13,311	287
28060	Bootes	8½	13 43.54	2,123	46 34 20.9	13,310	8
28061	Serpens	7½	13 46.60	2,713	70 21 48.7	13,306	75
28062	Libra	7	13 47.60	3,458	111 12 43.0	13,306	345
28063	Bootes	6	13 48.16	2,403	56 20 33.2	13,305	162
28064	Corona	7	13 49.18	2,574	63 39 8.9	13,304	163
28065	Serpens	8½	13 51.60	2,867	78 31 58.7	13,301	470
28066	Serpens	9	13 51.60	2,867	78 33 3.6	13,301	470
28067	Bootes	9½	13 51.84	2,400	56 13 56.1	13,301	162
28068	Bootes	9½	13 54.94	2,404	56 23 5.3	13,297	162
28069	Serpens .....	.	13 58.57	2,818	75 54 33.6	13,293	159
28070	Serpens	8	13 58.70	2,806	75 13 56.8	13,293	74
28071	Bootes	9	14 2.20	1,971	41 20 49.0	13,289	353
28072	Serpens	7	14 6.41	3,067	89 49 28.2	13,285	339
28073	Serpens	8½	14 7.36	2,872	78 49 47.0	13,284	470
28074	Bootes	7	14 7.81	2,018	43 36 32.2	13,283	352
28075	Libra	8½	14 9.54	3,364	106 22 34.1	13,281	341
28076	Bootes	8½	14 11.16	2,202	49 6 42.7	13,280	289
28077	Bootes	7½	14 11.51	2,202	49 6 46.5	13,279	10
28078	Libra	9	14 15.32	3,167	95 33 49.5	13,275	290
28079	Serpens	8	14 18.81	2,900	80 22 31.1	13,271	167
28080	Libra	8½	15 14 20.12	+3,251	100 16 13.6	+13,270	468

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28081	Libra	8½	15 14 20,85	+3,251	100° 16' 8,7	+13,269	156
28082	Corona	9½	14 20,85	2,530	61 42 59,2	13,269	166
28083	Corona	6½	14 22,14	2,519	61 13 19,6	13,268	335
28084	Libra	9	14 27,51	3,333	104 43 40,4	13,262	161
28085	Libra	9	14 27,74	3,333	104 43 36,7	13,262	347
28086	Libra	8	14 28,81	3,167	95 31 47,4	13,260	290
28087	Libra	7	14 30,45	3,392	107 48 1,6	13,258	342
28088	Libra	7	14 32,44	3,161	95 12 7,0	13,257	292
28089	Serpens	9	14 33,02	3,046	88 37 43,8	13,256	291
28090	Libra	6½	14 33,11	3,448	110 39 55,7	13,256	343
28091	Serpens	8½	14 33,91	2,818	75 54 54,4	13,255	159
28092	Serpens	8	14 34,36	2,732	71 24 46,8	13,254	73
28093	Serpens	8	14 37,17	2,907	80 47 54,5	13,251	167
28094	Serpens	7½	14 37,30	2,896	80 11 28,7	13,251	167
28095	Bootes	8	14 39,41	2,368	55 3 7,8	13,249	61
28096	Serpens	7	14 39,41	2,869	78 43 31,9	13,249	470
28097	Serpens	9	14 43,35	2,728	71 11 28,3	13,244	75
28098	Bootes	9	14 48,42	2,122	46 40 32,4	13,239	8
28099	Libra	8½	14 51,14	3,158	95 1 21,5	13,236	292
28100	Corona 7	6	14 56,34	2,465	58 58 53,2	13,230	70
28101	Corona	9	14 56,48	2,495	60 14 43,4	13,230	166
28102	Serpens	9	14 57,54	3,039	88 16 21,7	13,229	291
28103	Serpens	9	14 57,97	2,823	76 13 50,6	13,228	159
28104	Serpens	8½	15 0,21	2,804	75 11 37,3	13,226	74
28105	Serpens	8	15 3,59	2,731	71 24 40,4	13,222	75
28106	Bootes	9	15 4,90	2,219	49 45 45,1	13,221	289
28107	Serpens	9	15 9,34	2,642	66 58 57,4	13,216	51
28108	Serpens	7½	15 11,28	2,919	81 29 32,0	13,214	287
28109	Bootes	6	15 12,94	2,216	49 41 51,6	13,212	10
28110	Bootes	6	15 13,78	2,216	49 41 54,0	13,211	289
28111	Corona	8	15 14,95	2,579	63 59 41,8	13,210	163
28112	Corona	8	15 15,84	2,579	63 59 40,7	13,209	66
28113	Serpens	8	15 17,46	2,754	72 36 0,9	13,207	73
28114	Bootes	9	15 19,33	2,266	51 24 14,1	13,205	164
28115	Corona	8	15 21,79	2,583	64 12 57,8	13,202	66
28116	Corona	8	15 21,86	2,583	64 12 56,0	13,202	163
28117	Libra	6	15 22,49	3,422	109 17 35,0	13,202	342
28118	Serpens	7	15 27,58	3,079	90 32 17,7	13,196	339
28119	Bootes	9	15 33,83	2,264	51 21 22,9	13,189	164
28120	Corona	9	15 15 35,39	+2,605	65 14 22,8	+13,187	348

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28121	Libra	9	15	15	35.51	+3.437	110	1	28.7	+13.187	343
28122	Serpens	8½	15	44	10	2.867	78	38	23.6	13.178	470
28123	Serpens	9	15	45	96	2.952	83	19	11.8	13.176	340
28124	Draco	8	15	48	74	0.789	23	51	5.5	13.173	386
28125	Serpens	9	15	50	04	3.052	88	59	31.2	13.171	291
28126	Libra	8½	15	54	33	3.341	105	4	8.7	13.166	161
28127	Libra	9	15	54	53	3.341	105	4	10.0	13.166	347
28128	Serpens	8	15	57	80	2.793	74	41	51.3	13.163	74
28129	Bootes	8½	16	0	92	2.189	48	54	40.0	13.159	76
28130	Serpens	8	16	2	41	2.952	83	20	15.8	13.158	340
28131	Libra	8½	16	5	09	3.157	94	56	42.0	13.155	292
28132	Draco	9	16	14	11	0.713	23	12	16.8	13.145	356
28133	Serpens	9	16	14	78	2.796	74	49	12.4	13.144	74
28134	Serpens	9	16	22	34	2.905	80	45	40.9	13.135	167
28135	Serpens	8½	16	22	59	2.756	72	45	16.7	13.135	73
28136	Libra	8	16	23	05	3.355	105	46	34.5	13.135	341
28137	Libra	9	16	33	00	3.335	104	42	19.7	13.124	161
28138	Libra	8	16	34	17	3.160	95	6	22.4	13.123	292
28139	Corona	7½	16	35	11	2.586	64	27	51.8	13.121	163
28140	Corona	7½	16	35	21	2.586	64	27	47.7	13.121	66
28141	Libra	8	16	37	73	3.253	100	15	7.3	13.119	468
28142	Draco	9	16	41	27	0.718	23	17	8.6	13.115	356
28143	Draco	8½	16	41	65	0.728	23	22	13.4	13.114	386
28144	Serpens	8½	16	43	70	2.735	71	43	11.3	13.112	73
28145	Corona	8½	16	44	16	2.489	60	8	20.6	13.111	166
28146	Libra	7½	16	45	79	3.448	110	30	8.1	13.110	343
28147	Serpens	8½	16	47	05	2.824	76	20	49.3	13.108	159
28148	Bootes	8	16	49	36	2.252	51	5	26.2	13.106	164
28149	Bootes	7½	16	49	44	2.252	51	5	28.9	13.106	289
28150	Bootes	7	16	50	77	2.252	51	5	26.2	13.104	10
28151	Serpens	7	16	51	92	2.964	84	3	8.0	13.103	340
28152	Serpens	6	16	53	08	2.697	69	48	27.2	13.102	69
28153	Serpens	7	16	53	32	2.877	79	15	17.1	13.102	84
28154	Serpens	7½	16	53	69	2.877	79	15	9.6	13.101	167
28155	Serpens	6½	16	53	80	2.697	69	48	29.8	13.101	75
28156	Serpens	7	16	53	90	2.877	79	15	9.4	13.101	470
28157	Libra	7½	16	54	33	3.216	98	14	23.5	13.100	288
28158	Bootes μ	4	16	56	23	2.276	51	54	50.9	13.098	164
28159	Bootes	8	16	57	50	2.277	51	56	37.0	13.097	164
28160*	Libra	ζ ¹ 6	15	16	59.94	+3.360	106	11	24.7	+13.094	341

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28161	Serpens	8	15 17 1,31	+2,790	74 35 37.7	+13,093	74
28162	Serpens	8	17 3,19	2,723	71 7 4,2	13,091	75
28163	Libra	7½	17 18,02	3,262	100 44 31,3	13,074	468
28164	Bootes	6	17 20,55	2,020	44 1 0,6	13,071	352
28165	Libra	7½	17 21,21	3,223	98 37 18,7	13,071	288
28166	Libra	8	17 23,45	3,516	113 44 42,4	13,068	472
28167	Libra	8½	17 23,71	3,224	98 37 58,7	13,068	288
28168	Libra	7½	17 27,85	3,341	104 59 44,5	13,063	347
28169	Libra	7½	17 27,92	3,341	104 59 48,9	13,063	161
28170	Corona	9	17 28,59	2,586	64 32 8,6	13,062	163
28171	Serpens	8	17 30,42	3,068	89 54 25,9	13,061	339
28172	Bootes	9	17 35,57	2,144	47 38 41,3	13,055	76
28173	Libra	8½	17 36,96	3,172	95 43 45,6	13,053	290
28174	Serpens	8	17 39,23	2,883	79 35 15,8	13,051	167
28175	Libra	9	17 41,47	3,221	98 27 28,1	13,048	288
28176	Bootes	9	17 41,60	1,849	39 45 51,3	13,048	357
28177	Bootes	9½	17 42,23	2,482	59 57 36,3	13,047	166
28178	Serpens	8	17 46,97	2,815	75 54 47,3	13,042	159
28179	Libra	8½	17 48,09	3,164	95 17 58,1	13,041	290
28180	Libra	8	17 48,12	3,164	95 17 54,7	13,041	292
28181	Serpens	9	17 48,98	2,792	74 44 20,5	13,040	74
28182	Serpens	7½	17 51,19	2,948	83 11 25,3	13,037	287
28183	Libra	9	17 58,13	3,414	108 42 1,0	13,030	342
28184	Serpens	9	17 58,21	2,880	79 24 23,4	13,030	167
28185	Corona	9	18 0,82	2,611	65 43 9,9	13,027	348
28186	Corona	6	18 2,86	2,578	64 11 38,0	13,024	163
28187	Libra	8	18 7,55	3,509	113 20 32,0	13,019	345
28188	Corona	6½	18 8,05	2,509	61 9 47,9	13,019	335
28189	Serpens	9	18 8,12	3,093	91 18 49,7	13,018	346
28190	Serpens	8	18 9,97	3,006	86 26 19,5	13,016	344
28191	Bootes	8½	18 10,24	2,131	47 17 47,7	13,016	76
28192	Serpens	8	18 14,08	2,732	71 39 37,6	13,012	73
28193	Libra..... ζ²	7	18 17,18	3,376	106 44 16,6	13,008	341
28194	Serpens	7	18 18,72	2,948	83 11 29,2	13,007	340
28195	Libra	8½	18 21,32	3,169	95 34 0,7	13,004	290
28196	Serpens	9	18 22,53	2,820	76 11 58,5	13,003	159
28197	Bootes	6	18 27,51	2,355	54 57 36,0	12,997	61
28198	Corona	7½	18 28,15	2,528	62 1 7,8	12,996	335
28199	Serpens	8	18 30,79	2,958	83 44 37,2	12,993	340
28200	Serpens	5½	15 18 32,99	+3,024	87 27 10,6	+12,991	291

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28201	Corona	9½	15 18 33.78	+2,403	56° 48' 50.0"	+12,990	162
28202	Serpens	7	18 34.88	2,843	77 26 17.0	12,989	84
28203	Corona	8	18 35.47	2,612	65 50 24.9	12,988	348
28204	Bootes	7	18 39.02	1,947	42 13 43.7	12,984	353
28205	Libra	9	18 39.05	3,139	93 53 59.8	12,984	292
28206	Bootes	8½	18 41.19	2,134	47 27 4.7	12,982	76
28207	Serpens	8½	18 49.17	2,933	82 22 33.7	12,973	287
28208	Bootes	8	18 52.06	1,989	43 20 55.8	12,970	352
28209	Libra	8½	18 58.41	3,288	102 4 40.0	12,963	345
28210	Libra	9	19 2.60	3,343	104 59 20.4	12,958	161
28211	Corona	6	19 2.83	2,576	64 11 34.4	12,958	66
28212	Libra	6	19 4.44	3,442	110 1 46.4	12,956	343
28213	Libra	8	19 6.88	3,465	111 10 51.1	12,953	343
28214	Bootes	7	19 8.39	2,048	44 59 28.7	12,951	8
28215	Serpens	8	19 13.46	2,950	83 17 21.2	12,946	340
28216	Bootes	9	19 14.14	2,271	51 59 46.2	12,945	164
28217	Corona	9	19 19.53	2,607	65 38 29.6	12,939	348
28218	Bootes	9½	19 19.71	2,172	48 42 4.7	12,939	76
28219	Serpens	9	19 19.85	3,024	87 27 25.5	12,939	291
28220	Corona	8½	19 20.99	2,610	65 46 8.8	12,938	348
28221	Libra	9	19 21.21	3,498	112 43 56.2	12,937	345
28222	Libra	7	19 23.60	3,503	112 57 21.2	12,934	345
28223	Serpens	8	19 23.84	2,723	71 16 59.6	12,934	73
28224	Libra..... ζ ¹	5½	19 24.60	3,361	105 54 43.0	12,934	341
28225	Libra..... ζ ³	6½	19 24.82	3,361	105 54 38.6	12,933	347
28226	Serpens	8½	19 25.93	2,632	66 48 50.5	12,932	469
28227	Libra	8½	19 26.53	3,180	96 8 48.2	12,931	290
28228	Serpens	9	19 29.66	3,028	87 32 37.5	12,928	291
28229	Libra	9	19 32.20	3,202	97 21 14.0	12,925	288
28230	Bootes	7½	19 32.36	2,057	45 17 14.9	12,925	8
28231	Serpens	9	19 34.69	2,877	79 20 22.7	12,922	167
28232	Corona β	4	19 35.27	2,484	60 11 49.7	12,922	166
28233	Libra	7	19 38.68	3,405	108 8 17.2	12,918	342
28234	Corona	8	19 40.84	2,606	65 36 55.5	12,916	348
28235	Serpens	7½	19 43.11	2,820	76 16 3.2	12,913	159
28236	Serpens	8	19 48.89	2,776	74 0 51.9	12,907	74
28237	Libra	9	19 51.45	3,176	95 55 14.6	12,904	290
28238	Libra	8	19 52.43	3,347	105 8 57.8	12,902	161
28239	Libra	8½	19 52.73	3,347	105 9 0.0	12,902	347
28240	Corona	8	15 19 56.06	+2,563	63 40 21.8	+12,899	163

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28241	Corona	9	15 19 57.42	+2,485	60 17 35.3	+12,897	166
28242	Serpens	8	19 58.44	2,632	66 51 3.5	12,896	469
28243	Serpens	6	20 0.03	2,755	72 54 29.4	12,894	73
28244	Corona	7	20 16.85	2,528	62 9 52.6	12,875	335
28245	Corona	8	20 19.21	2,569	63 58 53.0	12,872	163
28246	Libra	8½	20 19.39	3,293	102 17 37.6	12,872	345
28247	Libra	8½	20 24.51	3,442	109 56 17.5	12,866	343
28248	Libra	6½	20 29.13	3,509	113 11 15.2	12,862	345
28249	Libra	9	20 29.58	3,141	93 59 12.7	12,861	292
28250	Serpens	7	20 31.99	2,758	73 6 38.5	12,858	73
28251	Libra	7	20 33.28	3,469	111 16 21.7	12,857	343
28252	Serpens	7½	20 33.49	2,962	84 2 27.5	12,856	340
28253	Corona	9	20 35.73	2,401	56 56 21.4	12,854	162
28254	Bootes	9	20 37.85	2,165	48 36 25.1	12,852	76
28255	Libra	9	20 37.95	3,135	93 40 11.9	12,852	292
28256	Bootes	7½	20 42.28	2,092	46 24 11.3	12,847	8
28257	Bootes	9	20 45.96	2,246	51 17 28.0	12,843	164
28258	Serpens	7½	20 48.00	2,712	70 48 11.4	12,840	75
28259	Libra	8½	20 48.16	3,511	113 13 54.6	12,840	345
28260	Corona	8	20 55.24	2,528	62 12 14.5	12,832	335
28261	Serpens	7½	20 55.37	2,838	77 18 21.0	12,832	84
28262*	Corona	8	20 56.35	2,559	63 33 42.8	12,831	66
28263	Bootes	6½	21 5.02	2,224	50 34 37.4	12,821	289
28264	Bootes	7	21 5.22	2,224	50 34 37.7	12,821	10
28265	Draco	7	21 6.94	1,616	35 16 35.4	12,819	354
28266	Libra	8	21 7.20	3,418	108 42 42.7	12,819	342
28267	Serpens	8½	21 8.68	2,701	70 16 34.7	12,817	75
28268	Libra	5½	21 9.04	3,423	108 58 44.4	12,817	342
28269	Libra	8½	21 11.25	3,186	96 27 44.8	12,814	290
28270	Serpens	7	21 13.42	2,902	80 43 37.4	12,812	167
28271	Corona	7½	21 14.86	2,600	65 29 14.1	12,810	348
28272	Bootes	9	21 16.94	2,140	47 55 40.3	12,808	76
28273	Corona	8	21 18.78	2,567	63 58 50.2	12,806	66
28274	Libra	7½	21 21.41	3,545	113 47 57.7	12,803	472
28275	Corona	8	21 24.76	2,563	63 47 50.4	12,799	163
28276	Corona	8	21 24.83	2,563	63 47 42.9	12,799	66
28277	Libra	7	21 25.66	3,246	99 44 44.4	12,798	467
28278	Libra	6½	21 25.92	3,246	99 44 43.9	12,798	468
28279	Serpens	9	21 28.51	3,102	91 49 18.4	12,795	346
28280	Corona	7½	15 21 30.55	+2,601	65 32 55.1	+12,792	348

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28281	Corona	8	15 21 30,78	+2,524	62° 5' 39,3	+12,792	335
28282	Libra	8½	21 31,23	3,502	112 46 31,4	12,792	345
28283	Serpens	7½	21 32,98	3,041	88 25 10,9	12,790	291
28284	Serpens	9	21 34,83	2,904	80 51 37,5	12,788	167
28285	Libra..... ζ¹	4½	21 38,18	3,368	106 9 42,2	12,784	161
28286	Libra..... ζ¹	4	21 38,41	3,368	106 9 47,1	12,784	341
28287	Corona	8½	21 44,77	2,566	63 57 36,4	12,776	163
28288	Serpens	8½	21 46,57	3,054	89 8 20,4	12,774	339
28289	Serpens	8	21 54,85	2,915	81 29 50,5	12,765	287
28290	Bootes	8	21 56,54	2,133	47 44 46,9	12,763	76
28291	Corona	7½	21 57,06	2,513	61 38 55,7	12,763	335
28292	Corona	8	21 57,69	2,513	61 38 58,2	12,762	79
28293	Corona	8	21 58,85	2,324	54 7 39,7	12,761	61
28294	Serpens	8	22 3,04	2,984	85 14 35,6	12,756	340
28295	Serpens	8½	22 5,04	3,089	91 5 40,7	12,754	346
28296	Libra	9	22 10,70	3,443	109 51 36,8	12,747	343
28297	Libra	9	22 13,82	3,295	102 19 30,5	12,744	345
28298	Serpens	8½	22 17,27	2,952	83 28 45,9	12,740	340
28299	Corona	6½	22 17,85	2,425	58 1 15,3	12,739	70
28300	Serpens	8	22 19,57	2,794	75 2 58,6	12,737	159
28301	Libra	8	22 23,66	3,204	97 23 31,7	12,733	288
28302	Serpens	9	22 23,82	2,904	80 54 27,4	12,733	167
28303	Serpens	8	22 24,47	2,797	75 12 36,8	12,732	159
28304	Serpens	7	22 36,78	2,755	73 4 31,7	12,718	73
28305*	Libra	•	22 39,37	3,259	100 22 43,4	12,715	468
28306	Libra	7	22 40,14	3,372	106 17 59,7	12,714	341
28307	Serpens	5½	22 40,62	3,079	90 29 47,6	12,714	339
28308	Corona	8½	22 44,27	2,564	63 57 31,6	12,710	66
28309	Serpens	9	22 46,31	2,901	80 44 8,8	12,707	167
28310	Serpens	8½	22 46,31	2,901	80 46 3,9	12,707	167
28311	Corona	8	22 46,81	2,519	61 58 17,0	12,707	335
28312	Serpens	9	22 47,62	2,626	66 46 55,2	12,706	348
28313	Bootes	7½	22 47,79	2,183	49 23 55,7	12,706	10
28314	Bootes	8	22 47,96	2,183	49 23 58,9	12,705	289
28315	Corona	8½	22 48,97	2,552	63 24 40,6	12,704	163
28316	Serpens	7	22 49,05	2,671	58 55 51,1	12,704	469
28317	Serpens	8	22 49,55	2,671	68 55 59,7	12,704	69
28318	Corona	6	22 53,11	2,276	52 30 19,3	12,700	164
28319	Bootes	8	22 54,21	2,167	48 55 29,6	12,698	76
28320	Libra	8	15 22 56,26	+3,319	103 32 37,2	+12,696	161

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28321	Corona	9	15 22 56.29	+2,455	59 18 3.8	+12,696	166
28322	Libra	8	22 56.59	3,319	103 32 40.2	12,696	347
28323	Serpens..... γ^2	6	22 56.94	2,758	73 15 20.7	12,695	73
28324	Corona	7½	22 57.62	2,340	54 50 39.1	12,694	61
28325	Bootes	8½	23 0.07	2,189	49 36 54.1	12,692	289
28326	Bootes	6	23 1.23	1,903	41 35 34.4	12,690	357
28327	Bootes	8	23 1.77	2,189	49 36 49.8	12,690	10
28328	Corona	9½	23 5.30	2,457	59 23 3.9	12,686	166
28329	Serpens	7½	23 7.19	2,659	68 22 5.3	12,684	469
28330	Serpens	8½	23 8.23	2,659	68 22 12.9	12,682	69
28331	Serpens	7½	23 11.26	2,856	78 21 14.5	12,679	84
28332	Libra	8	23 13.60	3,520	113 28 19.3	12,677	345
28333	Serpens	8	23 13.75	3,117	92 37 2.1	12,676	346
28334	Libra	5½	23 15.58	3,241	99 22 6.7	12,674	467
28335	Libra	5½	23 15.61	3,241	99 22 7.2	12,674	468
28336	Serpens	7½	23 16.74	2,624	66 44 0.0	12,673	348
28337	Serpens	7½	23 17.29	2,997	85 59 22.9	12,672	344
28338	Libra	6½	23 21.63	3,554	115 3 0.7	12,667	472
28339	Corona .....	.	23 24.11	2,591	65 13 9.8	12,665	66
28340	Corona	8½	23 27.29	2,389	56 43 2.3	12,661	162
28341	Serpens	8½	23 28.28	2,800	75 26 55.8	12,660	159
28342	Libra	8½	23 37.61	3,454	110 19 40.2	12,649	343
28343	Bootes	8	23 37.78	1,954	42 55 28.1	12,649	352
28344	Libra	6	23 39.67	3,225	98 29 57.0	12,647	288
28345	Libra	7	23 40.96	3,376	106 27 21.4	12,645	341
28346	Bootes γ^1	5½	23 44.68	2,150	48 28 40.9	12,641	76
28347	Corona	6	23 44.73	2,278	52 41 57.2	12,641	164
28348	Serpens	8½	23 45.39	2,656	68 15 49.1	12,640	469
28349	Serpens	9	23 45.76	2,656	68 15 55.6	12,640	69
28350	Libra	6	23 47.64	3,161	95 0 46.7	12,638	292
28351	Serpens	6	23 50.93	2,758	73 18 7.4	12,634	73
28352	Serpens	8	23 51.19	2,683	69 34 16.7	12,634	75
28353	Serpens	8½	23 53.04	3,107	92 2 5.7	12,632	346
28354	Serpens	9	23 53.58	2,815	76 13 12.7	12,631	159
28355	Serpens	9	23 57.54	2,840	77 32 17.1	12,627	84
28356	Bootes	8	23 59.22	2,080	46 23 55.7	12,625	8
28357	Serpens	8	24 7.67	3,111	92 15 36.1	12,615	346
28358	Draco.....	9	24 16.98	1,397	31 52 24.0	12,605	355
28359	Serpens	9	24 18.69	2,846	77 53 15.5	12,603	84
28360	Libra..... γ	3½	15 24 21.33	+3,331	104 6 36.5	+12,600	161

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28361	Libra..... γ	3½	15 24 21.74	+3,331	104 6 37.7	+12,599	347
28362	Libra..... γ	4	24 21.85	3,331	104 6 34.0	12,599	467
28363	Libra..... γ	3½	24 22.27	3,331	104 6 36.7	12,599	345
28364	Corona	9	24 23.94	2,484	60 37 42.6	12,597	166
28365	Bootes	7½	24 25.24	2,185	49 38 16.2	12,595	10
28366	Bootes	7½	24 25.58	2,185	49 38 16.7	12,595	289
28367	Libra	7½	24 30.37	3,471	111 3 48.7	12,589	343
28368	Corona	8½	24 34.86	2,586	65 4 58.7	12,584	163
28369	Serpens	7½	24 35.90	3,060	89 27 57.8	12,583	339
28370	Serpens	7	24 36.40	2,971	84 35 16.8	12,583	340
28371	Bootes γ²	5½	24 37.42	2,145	48 24 52.5	12,582	76
28372	Libra	8½	24 42.22	3,346	104 50 20.0	12,576	347
28373	Corona	9	24 43.69	2,511	61 47 53.2	12,574	79
28374	Serpens	9	24 44.47	2,677	69 19 45.1	12,573	75
28375	Corona .....	.	24 44.96	2,586	65 4 59.1	12,573	66
28376	Serpens	6	24 45.21	2,735	72 10 39.6	12,572	73
28377	Libra	7½	24 47.93	3,519	113 19 5.1	12,570	345
28378	Serpens	8	24 49.91	2,959	83 57 9.6	12,567	340
28379	Libra	8½	24 49.97	3,520	113 23 1.6	12,567	345
28380	Corona θ	4½	24 51.48	2,417	57 57 28.0	12,566	70
28381	Serpens	6½	24 58.81	3,027	87 39 2.7	12,557	291
28382	Corona	8	25 1.43	2,603	65 52 29.0	12,554	348
28383	Serpens	9	25 2.42	2,814	76 13 45.3	12,553	159
28384	Serpens	8	25 3.43	2,932	82 30 26.5	12,552	287
28385	Libra	9	25 3.83	3,222	98 17 42.2	12,551	288
28386*	Serpens δ	4½	25 15.23	2,862	78 46 6.4	12,539	84
28387	Serpens δ	3	25 15.35	2,863	78 46 54.6	12,538	166
28388	Serpens δ	.	25 15.48	2,863	78 47 0.2	12,538	167
28389	Libra	7½	25 18.45	3,376	106 20 11.7	12,535	341
28390	Corona	9	25 22.35	2,584	65 2 39.3	12,530	163
28391	Corona	8½	25 23.60	2,528	62 36 38.2	12,529	335
28392	Corona	9	25 24.64	2,468	60 2 31.5	12,528	166
28393	Serpens	9	25 26.41	3,031	87 51 51.0	12,526	291
28394	Corona	8	25 33.49	2,597	65 40 55.7	12,518	348
28395	Serpens	8	25 35.12	2,711	71 4 48.9	12,516	75
28396	Libra	8½	25 36.85	3,174	95 42 15.8	12,514	290
28397	Serpens	9½	25 37.19	2,821	76 36 1.7	12,513	159
28398	Corona	7½	25 37.53	2,533	62 48 38.3	12,513	335
28399	Corona	8	25 38.10	2,533	62 48 39.8	12,512	79
28400	Corona	8	15 25 39.84	+2,607	66 6 37.1	+12,510	348

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			h m s	s	° ' "	"	
28401	Serpens	6½	15 25 40.94	+3,035	88° 5' 51.5	+12,509	291
28402	Serpens	8	25 41.39	2,946	83 15 33.7	12,509	287
28403	Serpens	8	25 41.66	2,946	83 15 35.2	12,508	340
28404	Libra	8½	25 43.59	3,347	104 50 23.7	12,506	161
28405	Serpens	7½	25 47.31	3,056	89 15 23.1	12,502	339
28406	Corona	8½	25 48.76	2,293	53 23 20.1	12,500	164
28407	Libra	8	25 49.48	3,403	107 39 45.4	12,499	342
28408	Serpens .....	.	25 50.45	3,103	91 50 29.9	12,498	346
28409	Corona .....	.	25 50.66	2,293	53 23 27.2	12,498	61
28410	Libra	8	25 51.19	3,164	95 9 46.8	12,497	292
28411	Corona	9	25 54.16	2,218	50 51 42.4	12,494	289
28412	Corona	7½	25 54.60	2,218	50 51 51.6	12,493	10
28413	Serpens	8½	25 55.43	2,679	69 32 29.9	12,493	75
28414	Libra	6	26 4.43	3,503	112 28 0.0	12,482	345
28415	Libra	9	26 8.04	3,215	97 53 25.7	12,478	288
28416	Corona .....	.	26 11.45	2,269	52 36 2.2	12,474	164
28417*	Corona α	2½	26 12.94	2,527	62 36 11.1	12,473	335
28418	Bootes	8	26 13.00	2,110	47 30 50.7	12,472	76
28419	Corona α	2	26 13.05	2,527	62 36 14.4	12,472	69
28420	Libra	9	26 13.14	3,200	97 6 24.9	12,472	290
28421	Corona α	2	26 13.22	2,527	62 36 13.4	12,472	163
28422*	Corona α	2½	26 13.32	2,527	62 36 17.5	12,472	467
28423	Corona α	1	26 13.33	2,527	62 36 16.6	12,472	70
28424	Corona α	2	26 13.33	2,527	62 36 12.5	12,472	66
28425	Corona α	2½	26 13.59	2,527	62 36 13.8	12,472	162
28426	Corona α	2½	26 13.76	2,527	62 36 13.3	12,472	79
28427	Serpens	7½	26 13.90	2,944	83 8 32.4	12,472	287
28428	Serpens	7	26 13.96	2,944	83 8 29.9	12,472	340
28429	Corona	8	26 14.61	2,522	62 24 49.8	12,471	335
28430	Corona α	2	26 15.04	2,527	62 36 14.4	12,470	348
28431	Corona	9	26 16.06	2,470	60 12 43.5	12,469	166
28432	Corona	8½	26 16.14	2,522	62 24 48.1	12,469	79
28433	Bootes	9	26 17.12	2,106	47 22 43.0	12,468	76
28434	Libra	7	26 17.29	3,168	95 21 15.3	12,467	292
28435	Libra	8	26 22.22	3,371	106 3 29.9	12,462	341
28436	Serpens .....	.	26 24.09	2,848	78 3 34.9	12,460	84
28437	Serpens	8	26 27.45	2,816	76 24 36.1	12,456	159
28438	Serpens .. γ³	6	26 28.72	2,722	71 40 9.3	12,455	73
28439	Libra	9	26 30.24	3,166	95 15 21.9	12,453	292
28440	Bootes	9	15 26 33.46	+2,114	47 38 52.1	+12,449	76

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28441	Libra	8	15 26 50,66	+3,224	98 22 26,1	+12,429	288
28442	Libra	8	26 52,01	3,329	103 51 34,6	12,428	161
28443	Libra	8	26 52,08	3,329	103 51 32,2	12,428	347
28444	Libra	8	26 56,83	3,471	110 55 49,3	12,422	343
28445	Libra	6½	26 57,93	3,436	109 14 16,4	12,421	342
28446*	Libra .....	.	27 0,83	3,502	112 22 55,2	12,418	345
28447	Serpens	8	27 12,51	3,074	90 13 55,3	12,404	339
28448*	Serpens .. τ ⁴	6	27 12,76	2,772	74 12 39,5	12,404	81
28449	Serpens	8	27 15,51	2,841	77 43 8,1	12,401	84
28450	Serpens .. τ ³	5½	27 16,20	2,752	73 12 30,9	12,400	73
28451	Serpens	8½	27 19,15	2,697	70 29 48,4	12,397	75
28452	Serpens	8	27 19,77	3,124	92 55 55,3	12,396	346
28453	Libra	7	27 20,39	3,391	106 59 45,1	12,395	341
28454	Libra	8½	27 20,74	3,320	103 24 3,0	12,395	347
28455	Corona	9	27 20,94	2,478	60 37 33,6	12,395	166
28456	Libra	7½	27 21,18	3,329	103 50 35,4	12,395	161
28457	Libra	7½	27 21,26	3,329	103 50 41,1	12,394	347
28458	Libra	8½	27 22,33	3,199	97 0 14,4	12,393	290
28459	Libra	8	27 25,40	3,157	94 45 10,6	12,390	292
28460	Serpens .....	.	27 26,49	2,776	74 24 11,6	12,388	81
28461	Serpens	9	27 28,37	2,691	70 10 59,0	12,386	75
28462	Serpens	8½	27 29,88	3,031	87 54 29,8	12,385	291
28463	Libra	7½	27 30,42	3,433	109 3 48,2	12,384	342
28464	Serpens	8½	27 33,17	2,841	77 43 25,9	12,381	84
28465	Corona	8½	27 34,06	2,557	64 2 52,5	12,380	163
28466	Libra	6	27 37,47	3,505	112 28 59,0	12,376	345
28467	Serpens	8½	27 40,76	2,990	85 41 46,7	12,372	344
28468	Serpens .....	.	27 40,84	2,871	79 18 35,0	12,372	167
28469	Corona	8	27 41,38	2,484	60 55 8,7	12,371	166
28470	Corona	8½	27 51,36	2,279	53 6 40,1	12,360	164
28471	Corona	9	27 51,95	2,279	53 6 43,0	12,359	61
28472	Libra	7	27 53,50	3,220	98 7 27,1	12,357	288
28473	Libra	7	27 53,51	3,220	98 7 37,1	12,357	288
28474	Corona	6	27 54,10	2,195	50 18 3,1	12,357	10
28475	Corona μ	5	27 54,78	2,195	50 19 3,4	12,356	289
28476	Serpens	7½	27 57,82	2,827	77 1 26,4	12,352	159
28477	Bootes	7½	28 0,64	2,025	45 15 46,9	12,349	352
28478	Bootes	6	28 1,17	2,025	45 15 46,5	12,348	8
28479	Corona	9	28 1,83	2,589	65 28 54,2	12,348	66
28480	Corona	8½	15 28 3,42	+2,589	65 28 56,1	+12,346	348

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28481	Serpens	8	15 28 3.63	+2,849	78 10 47.5	+12,346	84
28482	Libra	8	28 4.73	3,513	112 48 12.9	12,344	345
28483	Libra	8½	28 5.12	3,461	110 21 7.8	12,344	343
28484	Serpens	8	28 6.80	2,963	84 14 16.8	12,342	340
28485	Serpens	8½	28 7.50	2,964	84 18 20.9	12,341	340
28486	Libra	9	28 8.20	3,174	95 39 13.2	12,340	290
28487	Serpens	8	28 9.23	3,040	88 23 34.5	12,339	291
28488	Draco	6	28 9.51	0,820	25 6 53.0	12,339	386
28489	Corona	8	28 13.90	2,287	53 24 24.2	12,334	61
28490	Bootes	6	28 18.65	2,057	46 9 48.4	12,328	8
28491	Libra	8½	28 19.36	3,434	109 2 57.1	12,328	342
28492	Libra	9	28 21.54	3,216	97 53 59.3	12,325	288
28493	Serpens	8	28 22.47	3,090	91 7 10.0	12,324	346
28494	Serpens	8	28 23.97	2,743	72 48 8.9	12,322	73
28495	Libra	7	28 24.07	3,435	109 6 20.4	12,322	342
28496	Corona	6	28 25.54	2,214	50 57 18.4	12,321	10
28497	Libra	9	28 26.75	3,169	95 21 42.2	12,319	290
28498	Libra	6	28 29.85	3,521	113 9 22.3	12,315	472
28499	Corona	9	28 35.00	2,572	64 46 41.1	12,310	66
28500	Corona	7	28 36.85	2,292	53 37 13.3	12,308	61
28501	Corona	8½	28 41.34	2,522	62 34 21.6	12,302	335
28502	Libra	8	28 41.46	3,321	103 23 26.8	12,302	161
28503	Corona	9	28 41.59	2,522	62 34 21.4	12,302	79
28504*	Libra	8	28 41.73	3,321	103 23 30.8	12,302	347
28505	Corona	7	28 42.00	2,443	59 20 17.8	12,302	70
28506	Corona	7	28 42.52	2,443	59 20 18.7	12,301	166
28507	Serpens	7½	28 48.18	3,063	89 38 35.6	12,294	339
28508	Serpens	8	28 50.34	2,942	83 5 51.8	12,292	287
28509	Bootes	8	28 50.57	2,151	49 0 19.5	12,292	76
28510	Corona	8	28 57.48	2,242	51 57 15.6	12,284	164
28511	Corona	9½	28 58.66	2,376	56 44 58.2	12,282	162
28512	Libra	5½	28 59.41	3,522	113 9 19.9	12,282	345
28513	Serpens	7½	29 1.32	2,993	85 51 58.9	12,279	344
28514	Serpens	7½	29 3.97	2,640	67 53 33.0	12,276	469
28515	Serpens	8	29 4.63	2,640	67 53 47.7	12,276	467
28516	Serpens	9	29 5.37	2,943	83 11 49.8	12,275	287
28517	Serpens	8½	29 6.01	2,617	66 51 6.3	12,274	348
28518	Libra	8	29 6.35	3,475	110 56 36.3	12,274	343
28519	Corona	9	29 11.00	2,237	51 48 52.3	12,268	164
28520	Serpens	8	15 29 14.05	+3,077	90 24 10.4	+12,265	339

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			h m s	s	° ' "	"	
28521	Bootes	6½	15 29 14.37	+1,778	39 19 50.4	+12,264	357
28522	Bootes	7	29 14.73	1,792	39 37 57.6	12,264	358
28523	Serpens	7½	29 16.50	2,859	78 43 18.7	12,262	84
28524	Serpens	7½	29 18.00	2,827	77 4 57.0	12,260	159
28525	Serpens	8½	29 18.47	2,744	72 54 55.7	12,259	73
28526	Serpens	9	29 21.87	2,894	80 35 36.5	12,255	167
28527	Serpens	8½	29 22.99	3,375	106 5 39.8	12,254	341
28528	Serpens	9½	29 32.18	2,369	56 30 47.8	12,244	162
28529	Serpens	9	29 35.72	2,571	64 46 44.5	12,239	163
28530	Bootes	9	29 37.04	2,089	47 12 21.7	12,238	8
28531	Libra	9	29 37.87	3,261	100 13 30.1	12,237	468
28532	Corona	9½	29 39.21	2,802	75 49 14.2	12,235	159
28533	Corona	7	29 41.46	2,571	64 48 45.6	12,233	163
28534	Corona	6½	29 41.99	2,571	64 48 47.6	12,232	66
28535	Serpens	7½	29 42.54	2,612	66 39 46.0	12,232	348
28536	Bootes	9	29 44.07	2,146	48 56 24.2	12,230	76
28537	Corona	7½	29 45.71	2,440	59 14 5.3	12,228	166
28538	Corona	9	29 45.76	2,439	59 14 7.3	12,228	70
28539	Corona	9½	29 47.64	2,374	56 43 32.9	12,226	162
28540	Serpens	8½	29 49.88	2,927	82 21 5.2	12,223	287
28541	Serpens	9	29 55.73	2,889	80 20 28.9	12,216	167
28542	Draco	7	29 59.42	1,577	35 24 33.5	12,212	354
28543	Serpens	9	30 2.72	2,887	80 12 43.7	12,208	167
28544	Corona	8½	30 4.75	2,271	53 2 41.1	12,206	164
28545	Libra	7½	30 7.97	3,512	112 36 54.0	12,202	345
28546	Serpens	8½	30 8.11	2,612	66 41 23.9	12,202	348
28547	Libra	8	30 8.15	3,225	98 20 3.3	12,202	288
28548	Serpens	8	30 8.33	3,074	90 15 9.9	12,202	339
28549	Serpens	9½	30 8.58	3,095	91 20 48.2	12,201	346
28550	Libra	7½	30 8.77	3,321	103 18 46.0	12,201	161
28551	Libra	7½	30 8.87	3,534	113 38 32.7	12,201	472
28552	Libra	7	30 9.13	3,321	103 18 45.2	12,201	347
28553	Libra	6½	30 9.31	3,321	103 18 50.6	12,201	345
28554*	Serpens	8	30 10.40	2,898	80 48 24.5	12,199	167
28555	Serpens	8	30 11.50	2,606	66 24 29.6	12,198	348
28556	Libra	8	30 13.59	3,221	98 5 4.5	12,196	288
28557	Libra	8½	30 16.11	3,162	94 58 28.3	12,193	292
28558	Libra	8	30 18.18	3,227	98 26 39.7	12,190	288
28559	Bootes	9	30 18.93	1,769	39 14 28.6	12,190	358
28560	Libra	7½	15 30 19.33	+3,507	112 22 56.8	+12,189	345

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			h m s	s	° ' "	"	
28561	Libra	8	15 30 26,73	+3,431	108° 48' 13,2	+12,180	342
28562	Libra x	4½	30 27,08	3,436	109 1 6,5	12,180	343
28563	Libra x	4	30 27,20	3,436	109 1 6,7	12,180	342
28564	Serpens	6½	30 30,36	2,745	73 1 47,3	12,176	73
28565	Serpens .....	.	30 32,57	2,544	63 41 56,0	12,174	66
28566	Serpens	8	30 37,57	2,980	85 10 11,3	12,168	344
28567	Bootes ϕ	6	30 38,66	2,145	48 59 15,8	12,167	76
28568	Corona	8½	30 38,73	2,271	53 5 33,0	12,167	164
28569	Bootes ϕ	5½	30 38,86	2,145	48 59 17,3	12,166	289
28570	Corona	8½	30 40,23	2,271	53 5 33,0	12,165	165
28571	Corona	7½	30 42,53	2,400	57 47 13,4	12,162	70
28572*	Serpens	7	30 43,59	2,830	77 17 2,1	12,161	84
28573	Serpens	6½	30 43,90	2,830	77 17 20,7	12,160	159
28574	Serpens	8	30 51,44	2,926	82 19 34,0	12,152	287
28575	Libra	9	30 52,22	3,433	108 49 56,3	12,151	342
28576	Serpens	9	30 56,80	2,954	83 47 55,4	12,146	340
28577	Libra	8½	31 1,28	3,219	97 59 25,1	12,140	288
28578	Serpens	8	31 2,15	3,106	91 58 40,6	12,140	346
28579	Corona	6½	31 4,90	2,315	54 39 54,4	12,136	61
28580	Corona	8	31 5,89	2,497	61 43 5,1	12,135	335
28581	Corona	9	31 6,03	2,497	61 43 9,5	12,135	79
28582	Libra	8½	31 7,40	3,178	95 47 24,0	12,133	290
28583	Draco.....	9½	31 9,28	0,691	24 7 26,0	12,131	386
28584	Serpens	8	31 9,30	2,955	83 49 55,5	12,131	340
28585	Corona	8½	31 14,54	2,395	57 39 19,0	12,125	70
28586	Corona	8½	31 24,35	2,458	60 8 52,5	12,113	166
28587	Corona	9	31 25,39	2,362	56 25 46,9	12,112	162
28588	Serpens	8	31 26,70	2,882	80 2 37,9	12,111	167
28589	Serpens	7½	31 28,12	2,696	70 40 24,9	12,109	75
28590	Libra	9	31 30,94	3,267	100 29 14,1	12,106	468
28591	Libra	6½	31 32,57	3,363	105 21 35,1	12,104	341
28592	Serpens	8	31 34,97	2,638	67 57 53,9	12,101	469
28593	Libra	9	31 36,10	3,201	97 0 24,5	12,100	290
28594	Bootes	7	31 36,11	2,030	45 44 13,2	12,100	8
28595	Serpens τ ⁶	5½	31 47,44	2,750	73 19 13,2	12,087	73
28596	Serpens τ ⁶	6	31 48,25	2,750	73 19 13,6	12,086	81
28597	Bootes	9	31 49,01	2,141	48 58 56,4	12,085	76
28598	Serpens	7½	31 49,70	3,049	88 53 26,0	12,084	291
28599	Corona ζ	4	31 51,15	2,257	52 42 34,2	12,082	165
28600	Bootes	5½	15 31 52,00	+1,906	42 32 13,1	+12,081	352

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28601	Bootes	6	15 31 52.14	+1,906	42 32 8.9	+12,081	353
28602	Bootes	8½	32 1,32	1,762	39 14 38.5	12,071	358
28603	Libra	6½	32 4.24	3,305	102 24 4.7	12,067	345
28604	Corona	9	32 20.81	2,490	61 33 33.8	12,048	79
28605	Corona	9	32 20.94	2,491	61 33 32.5	12,048	335
28606	Serpens..... ζ	6	32 23.24	2,813	76 30 1.2	12,045	159
28607	Libra	7	32 23.33	3,263	100 16 4.1	12,045	468
28608	Draco.....	•	32 24.18	1,533	34 49 50.2	12,044	354
28609	Serpens	8	32 26.55	2,858	78 46 48.5	12,041	84
28610	Libra	7½	32 26.66	3,540	113 44 53.0	12,041	345
28611	Libra	7½	32 26.92	3,540	113 44 59.6	12,041	472
28612	Serpens	7½	32 30.43	2,910	81 31 53.2	12,037	287
28613	Serpens	8	32 31.60	2,963	84 19 6.1	12,035	340
28614	Serpens	8½	32 33.83	2,992	85 51 16.2	12,033	344
28615	Corona	9	32 34.00	2,398	57 52 42.7	12,032	70
28616	Serpens	5	32 37.19	2,673	69 40 37.0	12,029	467
28617	Libra	7	32 37.53	3,381	106 13 24.0	12,028	341
28618	Corona	8	32 37.66	2,436	59 22 37.4	12,028	166
28619	Serpens	5	32 38.19	2,673	69 40 35.2	12,028	75
28620	Serpens	8½	32 38.30	2,664	69 14 6.5	12,027	469
28621	Bootes	7	32 38.46	1,898	42 25 1.2	12,027	353
28622	Bootes	7	32 38.70	1,898	42 25 4.2	12,027	352
28623	Serpens	9	32 40.16	2,875	79 41 51.9	12,025	167
28624	Bootes	6	32 43.48	1,744	38 55 4.6	12,022	358
28625	Bootes	6	32 44.34	1,744	38 55 1.8	12,020	357
28626	Serpens	8	32 45.23	2,616	67 1 25.9	12,019	348
28627	Corona	9	32 46.13	2,544	63 50 12.4	12,018	163
28628	Corona	9	32 48.99	2,454	60 7 0.7	12,015	166
28629	Libra	η 4½	32 50.38	3,357	105 1 30.2	12,013	341
28630	Libra	η 6	32 50.59	3,357	105 1 22.8	12,013	347
28631	Libra	η 4½	32 50.66	3,357	105 1 22.4	12,013	161
28632	Draco.....	8	32 53.36	0,671	24 3 41.9	12,010	386
28633	Corona	8½	32 54.02	2,363	56 35 16.6	12,009	162
28634	Serpens	9	32 54.54	3,090	91 4 57.3	12,009	346
28635	Libra	8½	32 54.72	3,362	105 15 4.5	12,008	341
28636	Serpens..... τ ⁷	6½	32 54.77	2,698	70 53 19.5	12,008	75
28637	Serpens	8	32 55.00	2,961	84 11 47.9	12,008	340
28638	Libra	8	32 56.15	3,233	98 40 3.9	12,006	288
28639	Bootes	9	32 59.55	2,016	45 28 40.4	12,003	8
28640	Corona	7	15 33 0.37	+2,227	51 49 42.1	+12,002	78

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			h m s	s	° ' "	"	
28641	Corona	7	15 33 0,83	+2,242	52 19 46,5	+12,001	78
28642	Serpens	8½	33 1,87	2,895	80 44 3,5	12,000	167
28643	Corona	8½	33 2,13	2,438	59 29 38,3	11,999	166
28644	Libra	9	33 4,89	3,262	100 11 51,6	11,996	468
28645	Serpens	7½	33 5,11	2,928	82 28 5,8	11,996	287
28646	Serpens	9	33 5,72	2,887	80 20 13,8	11,995	167
28647	Libra	9	33 7,83	3,151	94 21 6,1	11,993	292
28648	Corona	8½	33 10,97	2,514	62 37 20,9	11,989	163
28649	Corona	9	33 12,08	2,554	64 19 5,5	11,988	66
28650	Libra	7	33 13,22	3,345	104 23 20,9	11,987	347
28651	Serpens	9	33 13,57	3,094	91 16 54,7	11,986	346
28652	Ursa Minor ..	7½	33 15,87	0,350	21 31 23,3	11,984	356
28653	Serpens	7½	33 18,15	2,661	69 9 27,3	11,981	469
28654	Serpens	8	33 18,68	2,661	69 9 26,1	11,980	467
28655	Corona	8½	33 18,86	2,484	61 21 26,1	11,980	79
28656	Corona	8	33 19,10	2,484	61 21 17,3	11,980	335
28657	Serpens	9½	33 25,32	2,795	75 38 17,6	11,972	159
28658	Serpens	8	33 25,66	2,703	71 8 18,6	11,972	75
28659	Libra	8½	33 26,24	3,510	112 14 50,3	11,971	345
28660	Corona	7½	33 26,47	2,189	50 37 46,6	11,971	10
28661	Corona	8	33 26,61	2,189	50 37 51,2	11,971	289
28662	Bootes	7	33 38,04	2,015	45 30 21,9	11,958	8
28663	Corona	8	33 39,83	2,205	51 9 10,6	11,957	289
28664	Serpens	7	33 42,18	3,012	86 54 46,2	11,953	344
28665	Bootes	8	33 50,61	2,116	48 24 20,1	11,943	76
28666	Serpens	7	33 50,63	2,795	75 41 7,6	11,943	159
28667	Serpens	7	33 54,02	2,834	77 38 41,3	11,939	84
28668	Libra	7	33 54,82	3,428	108 27 52,6	11,938	342
28669	Serpens	8½	33 54,82	2,890	80 30 36,9	11,938	167
28670	Libra	7	33 57,63	3,550	114 4 23,2	11,935	472
28671	Serpens	8	33 58,80	3,130	93 11 40,8	11,933	292
28672	Libra	6½	33 58,81	3,506	112 6 40,9	11,933	345
28673	Serpens.... ψ	6	33 58,98	3,010	86 50 6,0	11,933	344
28674	Bootes	8	33 59,06	2,122	48 35 19,3	11,933	76
28675	Serpens	8½	34 0,73	2,704	71 12 5,4	11,931	75
28676	Corona	8	34 6,31	2,192	50 47 34,2	11,924	289
28677	Corona	9	34 6,74	2,344	55 59 1,6	11,924	162
28678	Corona	8½	34 7,57	2,442	59 43 19,2	11,923	166
28679	Corona	7	34 8,44	2,192	50 47 32,4	11,922	10
28680	Bootes	8	15 34 11,29	+1,845	41 18 3,8	+11,919	358

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28681	Bootes	9	15 34 11.35	+1,845	41 18 1.8	+11,918	353
28682	Corona	9	34 12.74	2,259	52 59 44.4	11,917	61
28683	Corona .....	.	34 17.51	2,557	64 30 50.4	11,911	66
28684	Corona γ	4½	34 20.10	2,523	63 3 43.1	11,908	335
28685	Corona	7½	34 20.31	2,238	52 18 49.9	11,908	78
28686	Corona γ	4	34 20.56	2,523	63 3 43.9	11,908	164
28687	Corona γ	4	34 20.71	2,523	63 3 45.5	11,908	79
28688	Serpens	8½	34 24.18	2,627	67 39 14.7	11,903	467
28689	Serpens	8	34 24.33	2,627	67 39 8.1	11,903	469
28690	Serpens.... α	2	34 25.35	2,936	82 56 3.7	11,902	339
28691	Serpens.... α	2½	34 25.45	2,936	82 56 0.7	11,902	166
28692	Serpens.... α	2	34 25.65	2,936	82 56 7.3	11,902	340
28693	Serpens.... α	2	34 25.67	2,936	82 56 5.2	11,902	287
28694*	Serpens.... α	2	34 25.68	2,936	82 56 2.8	11,902	291
28695	Serpens.... α	2	34 25.94	2,936	82 56 4.3	11,901	344
28696	Serpens.... α	2	34 26.99	2,936	82 56 2.9	11,900	346
28697	Libra	7	34 31.39	3,385	106 18 43.4	11,895	341
28698	Serpens	8½	34 31.64	2,812	76 32 23.5	11,895	159
28699	Corona	7	34 43.20	2,387	57 38 44.5	11,881	70
28700	Draco.....	6½	34 45.39	1,306	31 25 31.1	11,878	355
28701	Serpens	8½	34 48.67	2,756	73 47 52.1	11,875	81
28702	Serpens	8½	34 48.75	2,893	80 42 29.8	11,875	167
28703*	Libra	7½	34 50.75	3,174	95 30 20.3	11,873	290
28704	Hercules	8½	34 51.05	2,121	48 38 46.0	11,872	76
28705	Serpens	8½	34 58.28	2,909	80 59 51.2	11,863	167
28706	Serpens	8½	34 58.99	2,851	78 32 12.2	11,863	84
28707	Bootes	8	35 1.96	2,074	47 17 55.1	11,859	8
28708	Serpens	8	35 7.26	2,761	74 3 22.1	11,853	81
28709	Corona	7½	35 13.93	2,394	57 57 54.5	11,845	70
28710	Serpens	7½	35 15.78	2,612	67 1 5.4	11,843	348
28711	Corona	8	35 17.62	2,438	59 39 29.6	11,840	166
28712	Serpens	7	35 20.93	2,736	72 50 58.1	11,837	73
28713	Corona	8	35 21.91	2,552	64 23 44.1	11,836	164
28714	Corona	8	35 22.54	2,552	64 23 41.8	11,835	66
28715	Serpens.....	9	35 23.72	2,915	81 51 42.1	11,833	287
28716	Serpens	6	35 30.65	2,954	83 54 55.0	11,825	340
28717	Libra	7	35 31.11	3,389	106 28 26.0	11,825	341
28718	Corona	7½	35 32.41	2,563	64 53 51.3	11,823	66
28719	Corona	7	35 32.89	2,564	64 53 57.6	11,823	164
28720	Serpens.... τ^B	5½	15 35 37.11	+2,721	72 5 52.0	+11,818	73

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28721	Serpens	6½	15 35 41.55	+2,731	72 37 24.7	+11,812	73
28722	Serpens .. A²	8	35 45.50	3,092	91 10 0.2	11,808	339
28723	Serpens .. A²	6	35 46.08	3,092	91 9 59.0	11,807	346
28724	Libra	8	35 46.52	3,459	109 49 48.0	11,806	343
28725	Libra	8½	35 53.33	3,480	110 45 55.1	11,799	343
28726	Libra	8	35 55.36	3,410	107 27 21.0	11,796	342
28727	Serpens	9	35 59.32	2,957	84 2 7.1	11,792	340
28728	Serpens	9	36 1.86	2,980	85 14 14.6	11,789	344
28729	Serpens	7	36 4.93	2,643	68 28 48.8	11,785	467
28730	Corona π	6	36 6.29	2,363	56 50 38.7	11,783	162
28731	Scorpio	6½	36 7.19	3,565	114 34 55.9	11,782	472
28732	Serpens	7	36 7.26	2,631	67 55 30.9	11,782	467
28733	Hercules	8½	36 7.99	2,117	48 38 52.5	11,781	76
28734	Libra	6	36 8.47	3,174	95 29 11.0	11,781	290
28735	Libra	6	36 8.77	3,174	95 29 9.6	11,780	292
28736	Bootes	9	36 14.98	1,963	44 22 5.1	11,773	352
28737	Serpens	7	36 23.84	2,942	83 15 12.5	11,762	340
28738	Corona	7½	36 24.96	2,556	64 39. 9.7	11,761	66
28739	Corona	7	36 25.16	2,556	64 39 10.9	11,761	164
28740	Draco	7½	36 28.04	0,584	23 33 18.9	11,758	386
28741	Libra	9	36 29.29	3,254	99 39 44.3	11,756	468
28742	Corona	8	36 29.87	2,564	65 0 12.1	11,755	66
28743	Serpens .....	.	36 31.27	2,816	76 48 13.2	11,754	159
28744	Libra	7	36 36.92	3,534	113 12 10.5	11,747	345
28745	Serpens.... λ	4½	36 44.45	2,917	82 0 32.2	11,738	287
28746	Libra	7½	36 48.88	3,239	98 51 2.7	11,733	288
28747	Hercules	7½	36 51.41	2,153	49 47 18.1	11,730	10
28748	Serpens	9	36 53.64	3,107	91 59 4.8	11,727	346
28749	Corona	8	36 54.27	2,466	60 53 43.4	11,727	166
28750	Serpens.... β	4½	36 57.79	2,757	73 56 34.5	11,723	81
28751	Corona	8½	36 58.41	2,580	65 41 53.8	11,722	348
28752	Libra	9	37 0.75	3,532	113 3 20.2	11,719	345
28753	Serpens	8	37 4.24	2,792	75 38 46.3	11,715	159
28754	Serpens	7	37 6.03	3,063	89 38 15.3	11,713	339
28755	Hercules	9	37 11.44	2,156	49 55 58.0	11,706	10
28756	Serpens	6½	37 11.76	2,755	73 50 28.1	11,706	81
28757	Serpens	9	37 13.30	2,797	75 53 28.6	11,704	159
28758	Bootes	9	37 18.56	2,044	46 38 36.3	11,698	8
28759	Libra	6½	37 18.83	3,318	102 52 18.0	11,697	346
28760	Libra	8	15 37 20.52	+3,318	102 52 17.3	+11,695	347

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28761	Corona	9	15	37	21,50	+2,227	52	12	30,5	+11,694	78
28762	Draco.....	6		37	24,75	1,627	37	0	4,8	11,689	354
28763	Draco.....	5		37	25,45	1,627	37	0	7,9	11,686	357
28764	Serpens	8		37	30,41	2,663	69	27	48,9	11,684	75
28765	Serpens	8		37	36,08	2,835	77	50	39,2	11,677	84
28766	Libra	8		37	38,55	3,425	108	4	39,7	11,674	342
28767	Serpens	•		37	41,74	3,149	94	9	24,9	11,670	292
28768	Serpens	9		37	47,43	2,856	78	52	48,5	11,664	84
28769	Serpens	7½		37	50,91	2,990	85	49	41,5	11,660	344
28770	Serpens	7		37	51,98	2,976	85	4	18,8	11,658	340
28771	Serpens	9½		37	59,52	2,675	70	5	2,6	11,649	75
28772	Serpens	6		38	0,19	2,783	75	15	27,4	11,648	159
28773	Serpens	8		38	8,36	2,992	85	55	38,6	11,639	344
28774	Hercules	•		38	9,08	2,094	48	9	11,3	11,638	76
28775	Libra	7½		38	16,30	3,485	110	51	57,5	11,629	343
28776	Corona	8		38	20,94	2,545	64	17	12,9	11,624	164
28777	Corona	8½		38	21,03	2,545	64	17	15,3	11,624	66
28778	Corona	8½		38	22,15	2,247	52	57	6,2	11,622	78
28779	Corona	9		38	23,65	2,247	52	57	4,4	11,620	61
28780	Libra	6		38	26,79	3,409	107	16	45,2	11,617	341
28781	Hercules	•		38	26,81	2,128	49	11	27,1	11,617	76
28782	Hercules	7½		38	26,86	2,128	49	11	29,5	11,617	289
28783	Serpens	6		38	28,71	3,130	93	11	37,5	11,615	346
28784	Serpens	6		38	29,09	3,131	93	11	39,8	11,614	292
28785	Serpens	7		38	36,85	3,077	90	22	40,9	11,605	339
28786	Libra	7		38	37,14	3,414	107	31	2,5	11,605	341
28787	Serpens	8		38	45,65	3,119	92	36	32,0	11,594	346
28788	Draco.....	8		38	46,51	1,593	36	27	47,8	11,593	354
28789	Serpens	8½		38	46,77	2,674	70	4	37,1	11,593	75
28790	Draco.....	8		38	47,28	1,593	36	27	48,3	11,592	354
28791	Corona	9		38	48,17	2,162	50	15	35,4	11,591	289
28792	Corona	9		38	51,66	2,401	58	31	33,7	11,587	70
28793	Libra	7		38	51,78	3,525	112	38	5,1	11,587	345
28794	Corona	8		38	52,40	2,517	63	8	52,7	11,586	79
28795	Libra	8		38	52,68	3,472	110	13	37,6	11,586	343
28796	Libra	8½		38	53,52	3,330	103	23	36,6	11,585	347
28797	Serpens	6½		38	54,28	2,789	75	34	45,6	11,584	159
28798	Serpens	6		38	54,40	2,789	75	34	45,6	11,584	81
28799	Corona	9		38	54,65	2,245	52	55	17,5	11,584	78
28800	Corona	9½	15	38	55,63	+2,245	52	55	19,1	+11,582	61

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28801	Corona	8	h m s 15 38 56.15	+2,245	52° 55' 42.5"	+11,582	78
28802	Corona	9	38 56.54	2,446	60 16 1.0	11,581	166
28803	Corona	8½	38 57.40	2,245	52 55 45.1	11,580	61
28804	Scorpio b	6	38 58.71	3,582	115 7 46.0	11,579	472
28805	Corona	7½	39 7.16	2,408	58 48 19.9	11,569	70
28806	Draco.....	8	39 7.94	1,587	36 23 12.5	11,568	354
28807	Draco.....	8	39 8.42	1,587	36 23 18.1	11,567	354
28808	Serpens.... μ	4	39 11.60	3,123	92 48 25.4	11,564	346
28809	Serpens.... μ	4	39 11.69	3,123	92 48 26.7	11,563	292
28810	Corona	9	39 12.86	2,170	50 31 21.5	11,562	289
28811	Corona	8½	39 13.37	2,170	50 31 23.6	11,561	10
28812	Libra	8½	39 15.08	3,281	100 56 37.2	11,559	468
28813	Libra	7½	39 20.80	3,512	112 0 21.5	11,552	345
28814	Serpens	8	39 26.71	2,961	84 19 55.1	11,545	340
28815	Corona	9	39 26.78	2,316	55 25 8.0	11,545	162
28816	Serpens	6½	39 27.67	2,810	76 39 10.9	11,544	159
28817	Corona	7½	39 27.73	2,461	60 54 29.3	11,544	166
28818	Corona	7	39 28.59	2,461	60 54 29.2	11,543	79
28819	Serpens	7	39 29.35	3,133	93 17 57.0	11,542	292
28820	Libra	9	39 39.07	3,511	111 58 30.1	11,531	345
28821	Corona	9	39 40.38	2,527	63 36 47.6	11,529	164
28822	Serpens	9	39 41.43	2,861	79 13 17.2	11,528	84
28823	Serpens x	4	39 44.27	2,698	71 13 53.0	11,524	73
28824	Serpens x	4½	39 44.32	2,698	71 13 52.0	11,524	75
28825	Bootes	9	39 45.06	1,950	44 20 59.1	11,523	352
28826	Serpens	8	39 46.95	2,863	79 17 49.3	11,521	84
28827	Serpens	7	39 47.28	2,604	66 57 36.1	11,521	467
28828	Serpens	7	39 47.90	3,010	86 52 40.2	11,520	344
28829*	Serpens	6½	39 47.93	2,604	66 57 37.6	11,520	348
28830	Corona	9	39 49.77	2,316	55 28 42.9	11,518	162
28831	Serpens	8	39 51.44	3,004	86 35 4.6	11,516	344
28832	Libra	7½	39 53.42	3,468	109 58 14.6	11,514	343
28833	Corona	7	39 56.09	2,341	56 22 0.7	11,510	162
28834	Corona	8	40 0.87	2,220	52 11 31.4	11,505	78
28835	Libra	8½	40 1.26	3,270	100 22 19.9	11,504	468
28836	Corona	9	40 2.68	2,520	63 22 49.1	11,502	164
28837	Corona	9	40 3.26	2,520	63 22 50.5	11,502	66
28838	Libra	7½	40 8.63	3,433	108 19 14.0	11,495	342
28839	Serpens	6½	40 10.35	2,813	76 49 22.0	11,493	159
28840	Serpens	9	15 40 11.10	+2,866	79 27 52.1	+11,492	167

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28841	Serpens ω	6	15 40 12,01	+3,016	87 10 55,7	+11,491	344
28842	Serpens	7½	40 15,99	2,585	66 8 1,6	11,487	348
28843	Corona	6	40 20,47	2,467	61 13 18,1	11,481	79
28844	Serpens	7	40 22,23	2,943	83 25 33,1	11,479	340
28845	Corona	9	40 23,59	2,423	59 29 12,6	11,477	166
28846	Hercules	8	40 24,37	2,044	46 54 23,9	11,477	8
28847	Libra	6½	40 29,38	3,333	103 31 5,9	11,470	347
28848	Libra	6½	40 29,68	3,333	103 31 0,2	11,470	346
28849	Serpens	8	40 37,11	2,782	75 19 0,5	11,461	81
28850	Serpens	8½	40 38,04	3,076	90 20 6,4	11,460	339
28851	Bootes	8	40 41,72	1,867	42 23 26,4	11,456	353
28852	Serpens	9	40 46,44	2,809	76 38 36,5	11,450	159
28853	Bootes	9	40 47,84	1,693	38 34 32,0	11,448	357
28854	Serpens ϵ	3	40 51,04	2,972	84 54 33,8	11,445	166
28855*	Serpens ϵ	3	40 51,17	2,972	84 54 38,1	11,444	340
28856	Serpens ϵ	3	40 51,25	2,972	84 54 32,3	11,444	287
28857	Serpens ϵ	3	40 51,37	2,972	84 54 33,2	11,444	344
28858*	Serpens ϵ	3	40 51,42	2,972	84 56 5,6	11,444	291
28859	Serpens δ	6	40 51,66	3,117	92 28 25,4	11,444	346
28860	Libra	7½	40 54,27	3,302	101 55 24,7	11,441	346
28861	Draco	8½	40 57,69	1,624	37 13 46,1	11,437	356
28862	Corona	9	41 1,54	2,344	56 33 43,5	11,432	162
28863	Corona	7½	41 3,38	2,574	65 42 38,1	11,430	348
28864	Corona	8	41 5,89	2,532	63 55 14,4	11,427	164
28865	Libra	8	41 7,26	3,220	97 46 44,2	11,425	288
28866	Serpens	8½	41 7,69	2,690	70 56 14,2	11,425	75
28867	Corona δ	4	41 12,48	2,517	63 18 40,6	11,419	164
28868	Corona δ	4½	41 12,62	2,517	63 18 37,9	11,419	56
28869	Corona δ	4	41 12,93	2,517	63 18 38,2	11,418	467
28870	Libra	9	41 13,80	3,292	101 25 46,1	11,417	468
28871	Hercules	9	41 20,33	2,115	49 3 17,9	11,410	76
28872	Serpens	8	41 20,86	2,801	76 15 27,7	11,409	159
28873	Bootes	7	41 22,89	1,916	43 38 49,6	11,406	352
28874	Draco	8½	41 30,51	1,631	37 24 5,8	11,397	356
28875	Serpens	8½	41 30,71	2,584	66 12 26,5	11,397	348
28876	Corona	8½	41 36,78	2,514	63 12 25,6	11,390	66
28877	Corona	8	41 36,86	2,515	63 16 58,5	11,390	164
28878	Scorpio λ	6	41 37,75	3,576	114 43 0,2	11,389	472
28879	Serpens	8	41 39,74	2,648	69 2 32,0	11,386	467
28880	Libra λ	4	15 41 44,89	+3,461	109 33 24,2	+11,380	343

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28881	Libra λ	4	15 41 45.16	+3,461	109 33 17.6	+11,380	341
28882	Libra λ	4	41 45.17	3,461	109 33 23.8	11,380	342
28883	Hercules	9	41 52.32	2,044	47 3 15.3	11,371	8
28884	Draco	8	41 52.38	1,623	37 18 0.0	11,371	357
28885	Draco	8½	41 52.46	1,619	37 12 53.4	11,371	356
28886	Serpens	8½	41 52.59	2,864	79 24 48.3	11,371	167
28887	Serpens	9	41 52.72	2,878	80 8 44.5	11,371	167
28888	Serpens	8½	41 57.74	2,600	66 54 38.1	11,365	348
28889	Serpens	8	41 57.86	2,673	70 12 19.9	11,364	75
28890	Serpens	8	42 1.96	2,738	73 14 57.8	11,360	73
28891	Scorpio	5½	42 3.37	3,546	113 22 6.5	11,358	345
28892	Libra	9	42 5.91	3,347	104 6 12.5	11,355	347
28893	Corona	9	42 8.99	2,347	56 44 38.4	11,351	162
28894	Corona	8	42 12.37	2,135	49 42 34.2	11,347	10
28895	Serpens	9	42 14.68	2,981	85 23 52.0	11,344	344
28896	Serpens	8	42 15.39	2,784	75 29 2.3	11,343	159
28897	Serpens	8½	42 15.62	3,084	90 43 19.1	11,343	339
28898	Serpens	7½	42 18.08	3,078	90 25 11.4	11,340	339
28899	Serpens	7½	42 23.67	2,603	67 4 5.2	11,333	348
28900	Corona	8½	42 25.27	2,514	63 16 52.3	11,331	66
28901	Libra	7½	42 26.64	3,436	108 20 35.7	11,330	342
28902	Corona	9	42 26.93	2,353	56 58 53.3	11,330	162
28903	Libra θ	4	42 27.66	3,389	106 7 50.2	11,328	341
28904	Libra	9	42 28.12	3,206	97 2 48.5	11,328	290
28905	Serpens ρ	4	42 28.49	2,633	68 24 41.0	11,328	467
28906	Serpens	8	42 37.24	2,670	70 6 2.4	11,317	75
28907	Serpens	9	42 38.32	2,889	80 41 46.1	11,316	167
28908	Scorpio	7	42 40.91	3,576	114 38 14.2	11,313	472
28909	Corona	8½	42 41.89	2,357	57 9 43.4	11,311	162
28910	Serpens	7	42 49.03	2,756	74 8 50.1	11,303	81
28911	Libra	9	42 49.56	3,203	96 51 50.9	11,302	290
28912	Scorpio	7	42 54.68	3,520	112 9 36.4	11,296	345
28913	Serpens	7½	42 58.77	3,116	92 25 14.0	11,291	346
28914	Corona	7½	43 0.95	2,533	64 5 8.9	11,288	164
28915	Serpens	9	43 1.78	2,792	75 53 56.6	11,287	159
28916	Serpens	9	43 10.11	3,145	93 52 37.8	11,277	292
28917	Corona	8	43 14.72	2,191	51 33 9.2	11,272	78
28918	Bootes	7½	43 17.20	1,958	44 51 56.7	11,269	352
28919	Bootes	8	43 17.84	1,958	44 52 0.3	11,268	8
28920	Serpens	7½	15 43 23.63	+2,976	85 8 28.0	+11,261	340

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28921	Serpens	8	15 43 23.70	+2,976	85 8 31.3	+11,261	344
28922	Serpens	9	43 27.81	2,895	81 2 5.3	11,256	167
28923	Libra	6	43 28.17	3,446	108 46 44.5	11,256	342
28924	Serpens	9	43 28.38	2,979	85 17 40.6	11,255	344
28925	Serpens	8½	43 28.96	3,052	89 5 52.1	11,255	339
28926	Corona	7½	43 31.00	2,199	51 50 12.5	11,252	78
28927	Libra	9	43 33.57	3,225	97 58 28.4	11,249	288
28928	Corona x	5½	43 42.38	2,256	53 42 51.8	11,238	61
28929	Serpens	7	43 45.69	2,751	73 57 44.5	11,234	81
28930	Corona	8½	43 48.23	2,435	60 44 52.6	11,231	166
28931	Serpens	8½	43 49.06	2,706	71 50 8.0	11,230	73
28932	Serpens	8	43 50.51	2,815	77 2 32.9	11,228	159
28933	Serpens	7	43 50.61	2,815	77 2 35.5	11,228	84
28934	Serpens	6	43 53.74	2,709	71 59 26.2	11,225	73
28935	Serpens	7	43 53.76	2,797	76 9 57.7	11,224	159
28936	Serpens	8½	43 56.71	3,149	94 5 57.3	11,221	292
28937	Corona	7½	43 57.22	2,450	60 47 9.6	11,220	166
28938	Serpens	8	44 0.03	2,972	84 57 43.6	11,217	340
28939	Corona	9	44 0.41	2,534	64 12 43.6	11,217	164
28940	Scorpio	8	44 2.64	3,595	115 20 1.9	11,214	472
28941	Draco.....	8	44 4.95	0,556	23 48 16.2	11,211	386
28942	Hercules	9	44 9.30	2,098	48 46 4.5	11,206	76
28943	Hercules	8	44 10.79	2,029	46 49 37.9	11,204	8
28944	Draco.....	9½	44 16.50	0,520	23 31 10.9	11,197	386
28945	Libra	7	44 17.02	3,275	100 29 9.0	11,196	468
28946	Corona	8½	44 21.28	2,441	60 28 57.1	11,191	166
28947	Serpens	8	44 22.60	3,016	87 15 22.7	11,190	291
28948	Scorpio	9	44 23.03	3,493	110 55 24.3	11,189	343
28949	Serpens	8	44 23.59	2,994	86 6 14.0	11,188	344
28950	Serpens	6	44 25.87	2,737	73 19 12.3	11,186	81
28951	Corona	8½	44 26.71	2,127	49 39 22.4	11,185	289
28952	Corona	7½	44 27.84	2,127	49 39 24.9	11,183	10
28953	Corona	8½	44 29.49	2,356	57 16 26.9	11,182	162
28954	Libra	8½	44 30.94	3,358	104 33 12.3	11,180	347
28955	Serpens	6	44 32.42	2,955	84 6 30.8	11,178	340
28956	Serpens	8	44 37.69	2,680	70 40 19.4	11,171	75
28957	Bootes	9	44 37.92	1,674	38 30 27.6	11,171	356
28958	Bootes	8	44 38.25	1,674	38 30 29.0	11,171	357
28959	Libra	8	44 43.07	3,478	110 10 36.5	11,165	343
28960	Draco.....	8	15 44 44.97	+0,517	23 31 10.5	+11,163	386

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28961	Serpens	7½	15 44 45.56	+2,704	71 46 54.6	+11,162	73
28962	Serpens	7	44 48.50	2,957	84 11 24.0	11,158	340
28963	Serpens	9	44 49.29	2,793	76 0 50.0	11,158	159
28964	Serpens .....	.	44 51.64	2,875	80 5 13.4	11,155	167
28965	Libra	7	44 54.75	3,227	98 2 48.4	11,151	288
28966	Scorpio	8	44 58.45	3,532	112 35 14.1	11,146	345
28967	Serpens	7	45 0.73	2,890	80 49 8.2	11,143	287
28968	Serpens	7	45 0.91	2,890	80 49 9.5	11,143	167
28969	Libra	6	45 2.92	3,343	103 47 53.8	11,141	346
28970	Serpens	8	45 6.68	2,678	70 37 9.1	11,136	75
28971	Serpens	8	45 7.83	3,056	89 19 0.4	11,135	339
28972	Hercules	9	45 8.27	2,019	46 38 50.1	11,134	8
28973	Serpens	8	45 8.56	3,056	89 19 1.9	11,134	291
28974	Serpens	8	45 8.65	2,877	80 9 8.3	11,134	167
28975	Serpens	9	45 10.33	2,890	80 48 59.4	11,131	167
28976	Hercules ....	.	45 11.27	2,023	46 44 38.3	11,131	8
28977	Corona	8½	45 12.21	2,448	60 48 37.1	11,130	166
28978	Serpens	8	45 13.52	2,959	84 19 47.2	11,128	340
28979	Corona	9	45 13.83	2,518	63 36 37.5	11,128	164
28980	Libra	6	45 19.42	3,352	104 13 50.7	11,121	347
28981	Corona	8	45 19.51	2,379	58 9 26.5	11,121	70
28982	Serpens	8	45 21.85	2,831	77 53 27.1	11,118	84
28983	Corona	8½	45 23.33	2,496	62 44 19.5	11,116	79
28984	Libra	8	45 25.70	3,373	105 14 14.8	11,113	341
28985	Serpens	9	45 31.04	2,825	77 35 34.5	11,107	84
28986	Scorpio	7	45 31.31	3,495	110 53 29.9	11,106	343
28987	Serpens	6½	45 34.40	3,100	91 33 55.5	11,104	346
28988	Bootes	9	45 39.75	1,672	38 33 37.9	11,096	356
28989	Bootes	8	45 39.88	1,672	38 33 37.4	11,096	357
28990	Serpens	8	45 44.65	2,877	80 10 41.1	11,090	167
28991	Serpens	5½	45 45.21	2,644	69 5 33.7	11,089	467
28992	Hercules .. χ	5	45 45.76	2,030	46 58 55.2	11,089	8
28993	Serpens	5½	45 46.08	2,644	69 5 35.1	11,088	75
28994	Serpens	8½	45 47.57	2,711	72 10 34.7	11,087	73
28995	Serpens	7½	45 50.82	2,974	85 4 14.1	11,083	340
28996	Serpens	8	45 51.24	2,974	85 4 12.8	11,082	344
28997	Libra	6	45 52.75	3,378	105 26 20.9	11,081	341
28998	Draco	7	45 55.77	1,562	36 29 13.7	11,077	354
28999	Hercules	8½	45 56.25	2,023	46 48 43.9	11,076	8
29000*	Scorpio	6½	15 45 57.29	+3,542	112 56 2.1	+11,074	345

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29001	Scorpio	6	15 46 0.47	+3,484	110 23 23.1	+11,071	343
29002	Serpens	8½	46 3.08	2,767	74 47 48.6	11,068	81
29003	Hercules	7½	46 9.42	2,069	48 5 58.1	11,060	76
29004	Libra	8	46 11.31	3,272	100 17 39.9	11,058	468
29005	Serpens	8	46 11.39	2,773	75 6 53.8	11,058	81
29006	Serpens	8½	46 11.63	2,773	75 6 57.3	11,057	159
29007	Serpens	7½	46 12.99	2,602	67 15 41.9	11,056	348
29008	Serpens	9	46 19.55	2,615	67 50 16.7	11,048	467
29009	Libra	9	46 21.02	3,194	96 22 45.6	11,046	290
29010	Corona	8	46 22.47	2,346	57 3 39.0	11,044	162
29011	Hercules	8	46 26.65	2,088	48 40 7.6	11,039	76
29012	Libra	8	46 26.97	3,192	96 14 9.2	11,039	290
29013	Draco.....	7½	46 27.48	0,508	23 33 14.9	11,038	356
29014	Hercules	8	46 27.70	2,088	48 40 8.8	11,038	10
29015	Serpens	8	46 34.92	3,164	94 48 24.6	11,029	292
29016	Serpens	8	46 35.45	2,714	72 21 10.7	11,028	73
29017	Scorpio	6½	46 36.74	3,573	114 14 29.7	11,027	472
29018	Serpens	8	46 36.96	3,077	90 21 50.7	11,027	339
29019	Serpens	8	46 38.13	3,117	92 24 51.4	11,025	346
29020	Serpens	7	46 42.66	2,680	70 47 1.6	11,020	75
29021	Serpens	7½	46 44.53	3,073	90 9 13.2	11,017	339
29022	Bootes	7½	46 50.26	1,886	43 21 46.1	11,010	353
29023	Scorpio	7½	46 50.62	3,483	110 18 13.3	11,010	343
29024	Libra	9	46 50.70	3,344	103 47 14.4	11,010	347
29025	Serpens	9	46 52.05	2,973	85 4 25.4	11,008	340
29026	Corona	8	46 52.77	2,498	62 55 20.0	11,007	79
29027	Corona	8½	46 58.19	2,509	63 23 39.4	11,001	66
29028	Corona	8	46 58.36	2,510	63 23 48.5	11,000	164
29029	Libra	5	47 0.07	3,342	103 41 23.9	10,998	341
29030*	Libra	4	47 0.58	3,343	103 41 20.7	10,997	347
29031	Libra	4	47 0.84	3,342	103 41 23.2	10,997	346
29032	Serpens	8	47 1.10	2,763	74 39 21.0	10,997	81
29033	Draco.....	9	47 1.88	1,636	37 57 32.9	10,996	357
29034	Draco.....	7½	47 6.10	1,301	32 15 20.1	10,991	355
29035	Serpens	8½	47 9.23	2,645	69 11 54.8	10,987	467
29036	Serpens	7½	47 15.41	2,991	86 0 17.3	10,980	344
29037	Libra	7½	47 19.32	3,325	102 51 11.6	10,975	346
29038	Scorpio	8½	47 19.66	3,487	110 25 51.1	10,975	343
29039	Corona	8	47 20.03	2,287	55 2 37.7	10,974	61
29040	Corona	8	15 47 20.54	+2,420	59 52 12.3	+10,973	166

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29041	Serpens	8	15 47 23.47	+2,810	76 55 52.5	+10,970	159
29042	Serpens	8	47 26.95	3,060	89 30 10.5	10,966	339
29043	Scorpio	8	47 31.14	3,463	109 20 46.9	10,960	343
29044	Scorpio	8	47 32.14	3,463	109 21 7.0	10,959	343
29045	Serpens	8	47 33.76	2,639	68 59 26.4	10,957	467
29046	Serpens	9	47 39.05	2,859	79 19 46.1	10,951	167
29047	Serpens	9	47 43.36	2,992	86 2 5.4	10,946	344
29048	Libra	8½	47 43.89	3,236	98 25 5.1	10,945	288
29049	Corona	8	47 46.19	2,483	62 21 29.9	10,942	79
29050	Libra	9	47 50.49	3,320	102 35 3.4	10,937	346
29051	Corona	8	47 52.84	2,299	55 30 8.7	10,934	162
29052	Libra	8	47 54.04	3,406	106 42 10.8	10,933	341
29053	Libra	8	47 55.03	3,190	96 7 12.5	10,931	290
29054*	Libra	8½	47 56.04	3,346	103 51 40.6	10,930	347
29055	Draco	7½	47 57.31	0,610	24 35 53.3	10,928	386
29056*	Hercules	5½	47 57.61	1,997	46 16 16.9	10,928	8
29057	Corona	8½	47 58.43	2,528	64 14 3.8	10,927	66
29058	Serpens φ	6	48 1.00	2,769	75 □ 7.0	10,924	81
29059	Serpens φ	6	48 1.32	2,769	75 0 4.5	10,923	159
29060	Draco	10	48 1.56	1,632	37 57 30.7	10,923	356
29061	Serpens	8	48 6.61	2,647	69 22 20.9	10,917	467
29062	Serpens	8	48 7.24	2,647	69 22 21.2	10,916	75
29063	Serpens .....	.	48 11.98	2,710	72 13 37.7	10,910	73
29064	Serpens	9	48 12.05	2,859	79 20 46.0	10,910	167
29065	Corona	8½	48 20.05	2,373	58 11 19.0	10,901	70
29066	Serpens	9	48 20.40	3,047	88 50 24.2	10,900	291
29067	Serpens	9	48 21.06	2,861	79 27 46.1	10,899	167
29068	Libra	8½	48 27.13	3,231	98 10 5.0	10,892	288
29069	Libra	9	48 28.13	3,230	98 7 51.9	10,891	288
29070	Serpens	7½	48 30.61	3,119	92 29 33.4	10,888	346
29071	Corona λ	5	48 31.16	2,175	51 28 0.9	10,887	78
29072	Scorpio δ	3	48 32.16	3,524	112 2 24.7	10,886	345
29073	Serpens	6½	48 34.37	2,965	84 39 36.3	10,883	340
29074	Hercules	7	48 38.25	2,114	49 37 27.7	10,878	10
29075	Hercules	8½	48 38.49	2,114	49 37 27.2	10,878	289
29076	Serpens	8	48 44.08	2,766	74 53 17.5	10,871	81
29077	Hercules	5½	48 46.55	2,016	46 50 38.4	10,868	8
29078	Hercules	6½	48 46.95	2,016	46 50 45.1	10,868	76
29079	Serpens	8½	48 52.19	2,661	7□ 1 52.8	10,861	75
29080	Serpens	8	15 48 54.58	+3,047	88 49 15.0	+10,858	291

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29081	Serpens	9	15 48 54.77	+2,882	80 30 35.6	+10,858	167
29082	Libra	6½	48 58.40	3,202	96 43 12.2	10,854	290
29083	Corona	8	49 1.39	2,125	49 59 6.4	10,850	289
29084	Serpens	8½	49 2.90	2,801	76 34 43.4	10,848	159
29085	Libra	5½	49 7.58	3,391	105 55 54.3	10,842	341
29086	Libra	8	49 10.14	3,197	96 26 46.2	10,839	290
29087	Serpens	8½	49 10.50	2,826	77 48 10.2	10,839	84
29088	Draco	9	49 11.08	0,414	22 57 58.2	10,838	356
29089	Libra	8½	49 14.28	3,320	102 32 10.1	10,834	346
29090	Bootes	9	49 17.63	1,707	39 33 9.8	10,830	358
29091	Corona	4½	49 18.53	2,484	62 32 0.5	10,829	79
29092	Libra	8	49 20.68	3,199	96 32 33.5	10,826	290
29093	Corona	8	49 21.13	2,545	65 1 49.6	10,826	164
29094*	Scorpio	7	49 24.87	3,492	110 34 26.0	10,821	343
29095	Scorpio	8	49 26.53	3,586	114 37 13.7	10,819	472
29096	Serpens	8	49 33.81	2,813	77 8 54.2	10,810	84
29097	Corona	8½	49 35.37	2,534	64 35 12.8	10,808	66
29098	Corona	9	49 35.75	2,534	64 35 14.8	10,808	164
29099	Corona	8	49 36.21	2,124	49 58 56.7	10,807	10
29100	Serpens	7	49 41.78	2,730	73 12 22.4	10,800	73
29101	Serpens	9	49 42.66	2,881	80 30 17.3	10,799	167
29102	Serpens	9	49 42.82	2,794	76 16 29.6	10,799	159
29103	Serpens	8	49 44.62	2,684	71 5 40.7	10,797	75
29104	Corona	8½	49 49.01	2,338	57 24 46.5	10,791	162
29105	Libra	8	49 50.86	3,347	103 50 42.3	10,789	347
29106	Serpens	8	49 51.74	3,046	88 47 52.8	10,788	291
29107	Serpens	9	49 52.49	2,739	73 40 23.5	10,787	81
29108	Libra	8½	49 55.43	3,305	101 45 31.9	10,784	346
29109	Hercules	9	49 58.41	2,049	47 50 46.5	10,780	76
29110	Libra	6	50 0.56	3,225	97 49 59.6	10,777	288
29111	Libra	6	50 1.62	3,225	97 50 2.1	10,776	292
29112	Serpens	8½	50 8.05	3,055	89 16 47.7	10,768	291
29113	Scorpio	7	50 10.21	3,512	111 24 18.7	10,765	345
29114	Serpens	8½	50 11.76	2,788	75 58 22.1	10,763	159
29115	Corona	8	50 11.81	2,484	62 33 51.2	10,763	79
29116	Corona	8	50 15.79	2,491	62 52 32.4	10,758	79
29117*	Scorpio	7	50 19.58	3,576	114 9 33.7	10,754	472
29118	Scorpio	7	50 25.06	3,528	112 6 47.1	10,747	345
29119	Draco	9	50 25.11	1,480	35 22 52.2	10,747	354
29120	Corona	6½	15 50 26.20	+2,113	49 43 29.9	+10,746	10

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29121	Corona	6	15 50 27,57	+2,113	49 43 31,8	+10,744	289
29122	Serpens	9	50 28,31	2,887	80 48 0,4	10,743	167
29123	Serpens	9	50 28,96	2,923	82 36 34,0	10,743	287
29124	Corona	8½	50 29,18	2,538	64 47 56,8	10,742	164
29125	Corona	9	50 32,28	2,488	62 45 29,2	10,738	79
29126	Serpens	9	50 32,52	3,051	89 3 57,2	10,738	291
29127	Serpens	9	50 35,12	3,196	96 23 41,8	10,735	290
29128	Hercules	9	50 36,92	2,044	47 45 26,1	10,732	76
29129	Serpens	8½	50 38,03	2,965	84 41 44,0	10,731	340
29130	Libra	8	50 40,04	3,456	108 52 45,3	10,729	342
29131	Corona	7½	50 43,42	2,402	59 25 0,5	10,725	166
29132	Hercules	8	50 44,98	2,703	72 2 45,4	10,723	73
29133	Hercules	9	50 45,92	2,043	47 45 19,1	10,721	76
29134	Hercules	8½	50 46,98	2,703	72 2 20,4	10,720	73
29135	Serpens	9	50 50,00	2,824	77 45 7,5	10,716	84
29136	Scorpio	7	50 52,34	3,584	114 26 30,8	10,713	472
29137	Scorpio	8	50 54,16	3,541	112 36 32,7	10,711	345
29138	Serpens	5½	50 55,61	2,971	85 0 5,5	10,710	340
29139	Hercules	9	50 55,68	1,950	45 16 55,7	10,709	8
29140	Serpens	8½	50 55,70	2,967	84 48 58,2	10,709	340
29141	Serpens	6	50 56,04	2,971	85 0 6,9	10,709	344
29142	Corona	9	50 59,10	2,284	55 13 42,2	10,705	61
29143	Corona	7	51 0,23	2,416	59 59 12,0	10,704	166
29144	Serpens	9	51 5,07	2,737	73 37 14,4	10,698	81
29145	Serpens	9	51 6,90	2,683	71 6 40,0	10,695	75
29146	Corona	7½	51 8,54	2,173	51 35 35,8	10,694	78
29147	Hercules	8	51 12,54	2,707	72 14 40,5	10,689	73
29148	Serpens	7	51 13,74	3,133	93 11 36,2	10,687	292
29149	Serpens	6½	51 13,75	3,133	93 11 35,7	10,687	346
29150	Serpens	8	51 14,38	2,608	67 48 4,4	10,686	467
29151	Serpens	8	51 14,56	2,740	73 45 20,0	10,686	81
29152	Serpens	7½	51 24,06	2,576	66 25 45,9	10,674	348
29153	Corona	8	51 29,58	2,545	65 8 6,8	10,667	164
29154	Corona	8	51 29,72	2,545	65 8 8,6	10,667	66
29155	Corona	8	51 31,06	2,545	65 8 8,6	10,666	348
29156	Scorpio	7½	51 31,06	3,466	109 16 12,9	10,666	343
29157	Serpens	8½	51 31,33	2,784	75 52 2,3	10,665	159
29158	Scorpio	7	51 31,45	3,466	109 16 15,7	10,665	342
29159	Corona	5½	51 34,40	2,209	52 46 48,6	10,662	78
29160	Serpens	7½	15 51 34,87	+2,790	76 9 13,7	+10,661	159

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			h m s	s	° ' "	"	
29161	Hercules	9	15 51 35.65	+1,951	45 21 17.4	+10,660	8
29162	Corona	8	51 39.15	2,200	52 28 46.4	10,656	78
29163	Scorpio	8	51 42.55	3,336	103 14 32.2	10,651	347
29164	Scorpio	7½	51 43.11	3,336	103 14 29.6	10,651	346
29165	Serpens	9½	51 47.67	2,881	80 34 3.6	10,645	167
29166	Hercules	8	51 48.50	1,983	46 12 26.2	10,644	8
29167	Serpens	9½	51 49.22	2,783	75 48 56.1	10,643	159
29168	Serpens	7	51 51.50	3,075	90 14 57.6	10,640	339
29169	Libra	7½	51 54.75	3,228	97 55 29.5	10,637	288
29170	Libra	9	51 55.28	2,826	77 51 24.2	10,636	84
29171	Corona . . . . .	.	51 57.76	2,363	58 5 7.2	10,633	70
29172	Serpens	9	51 58.66	2,880	80 31 9.5	10,632	167
29173	Scorpio	8	52 8.36	3,460	109 0 36.0	10,620	342
29174	Corona	8½	52 9.85	2,409	59 47 33.3	10,618	166
29175	Scorpio	8	52 12.84	3,392	105 50 11.3	10,614	341
29176	Corona	9	52 13.05	2,423	60 18 48.8	10,614	166
29177	Serpens	7	52 13.75	3,131	93 5 8.8	10,613	292
29178	Serpens	7½	52 14.73	3,131	93 5 7.3	10,612	346
29179	Corona	9	52 15.13	2,219	53 9 0.2	10,611	61
29180	Hercules r	5½	52 15.55	2,693	71 37 8.1	10,611	73
29181	Hercules	9	52 17.78	1,822	42 17 22.9	10,608	353
29182	Serpens	8½	52 19.74	2,578	66 34 47.9	10,605	348
29183	Scorpio	8	52 21.64	3,513	111 21 15.1	10,603	345
29184	Corona	8½	52 22.75	2,539	64 58 7.9	10,602	66
29185	Scorpio	7½	52 24.24	3,465	109 12 3.3	10,600	343
29186	Scorpio	7½	52 24.43	3,465	109 12 6.2	10,600	342
29187	Serpens	8	52 25.58	3,107	91 54 11.3	10,598	346
29188	Serpens	7	52 26.67	3,174	95 16 5.0	10,597	290
29189	Serpens	9½	52 27.88	3,004	86 40 21.8	10,596	344
29190	Serpens	7½	52 28.64	3,067	89 50 41.6	10,594	339
29191	Libra	8	52 29.58	3,228	97 54 43.2	10,593	288
29192	Corona	8½	52 31.11	2,148	50 56 1.0	10,591	10
29193	Serpens	8	52 32.64	3,006	86 46 22.0	10,589	344
29194	Corona	9	52 33.13	2,539	64 58 11.1	10,589	164
29195	Serpens	9	52 33.97	2,828	78 0 48.1	10,588	84
29196	Serpens	7½	52 34.75	2,786	75 57 29.0	10,587	159
29197	Draco	7	52 35.11	0,533	24 7 31.9	10,586	386
29198	Serpens	8	52 38.23	3,091	91 4 58.4	10,583	339
29199	Corona	7½	52 45.10	2,497	63 15 33.7	10,576	79
29200	Corona	7	15 52 49.31	+2,355	57 51 30.5	+10,569	70

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29201	Serpens	8	15 52 49.82	+3,025	87 44 2.8	+10,568	291
29202	Serpens	8½	52 59.66	2,881	80 35 8.2	10,556	167
29203	Hereules ....	.	53 2.95	2,065	48 32 8.9	10,552	76
29204	Corona	8	53 9.65	2,491	63 1 33.3	10,544	79
29205	Serpens	9	53 14.82	2,838	78 28 12.5	10,537	84
29206	Serpens	8½	53 20.15	2,622	68 33 5.1	10,531	467
29207	Libra	4½	53 23.04	3,287	100 48 38.5	10,527	468
29208	Libra	7½	53 23.47	3,297	101 17 38.4	10,526	468
29209	Libra	7½	53 23.75	3,297	101 17 41.5	10,526	346
29210	Bootes	6	53 23.78	1,691	39 32 34.5	10,526	358
29211	Bootes	6	53 23.78	1,691	39 32 30.6	10,526	357
29212	Bootes	7	53 23.85	1,691	39 32 35.2	10,526	356
29213	Corona ρ	6	53 24.10	2,304	56 5 3.2	10,526	162
29214	Scorpio	7½	53 25.09	3,555	113 6 26.0	10,525	345
29215	Libra	7½	53 26.56	3,289	100 53 10.8	10,523	468
29216	Corona ι	5½	53 26.65	2,401	59 34 47.0	10,522	166
29217	Libra	8½	53 27.56	3,289	100 53 10.8	10,521	468
29218	Serpens	8	53 32.00	2,958	84 22 33.0	10,516	340
29219	Scorpio	6½	53 32.88	3,439	107 58 37.1	10,515	342
29220	Hereules	8	53 36.18	2,650	69 47 24.3	10,511	75
29221	Hereules	7½	53 39.32	2,684	71 18 48.1	10,507	73
29222	Serpens π	5	53 41.16	2,577	66 36 50.7	10,505	348
29223	Hereules	7	53 41.98	1,936	45 8 53.3	10,503	352
29224	Serpens	8	53 46.64	2,774	75 26 29.9	10,498	159
29225	Hereules	9	53 46.82	2,646	69 35 19.1	10,497	75
29226	Corona	6½	53 49.13	2,122	50 15 13.6	10,494	10
29227	Corona	6½	53 49.14	2,122	50 15 14.4	10,494	289
29228	Scorpio β	2	53 49.68	3,468	109 14 42.3	10,494	343
29229	Scorpio β	2	53 49.87	3,468	109 14 45.3	10,494	342
29230	Scorpio β	2	53 49.98	3,467	109 14 38.3	10,494	341
29231	Scorpio	7½	53 50.15	3,467	109 14 28.3	10,493	343
29232	Scorpio	7½	53 50.47	3,467	109 14 30.3	10,493	342
29233	Scorpio	7½	53 50.48	3,467	109 14 24.3	10,493	341
29234	Hereules	8½	53 51.13	1,986	46 26 30.4	10,492	8
29235*	Serpens	6	53 52.93	2,959	84 27 4.0	10,490	340
29236	Serpens	6	53 53.02	2,959	84 27 7.3	10,490	344
29237	Serpens	6	53 53.16	2,959	84 27 4.5	10,490	287
29238	Serpens	8	53 54.42	2,984	85 42 32.8	10,488	344
29239	Corona	8	53 55.79	2,345	57 33 26.7	10,486	70
29240	Serpens	8½	15 54 3.67	+2,776	75 34 30.0	+10,477	159

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			h	m	s	s	°	'	"
29241	Hercules	8½	15	54	5.18	+2,647	69	38	46.9
29242	Serpens	7		54	7.20	2,590	67	11	49.0
29243*	Serpens	7½		54	8.13	2,576	66	36	39.6
29244	Scorpio	7½		54	8.72	3,465	109	7	17.4
29245	Scorpio	7½		54	9.30	3,465	109	7	17.5
29246	Serpens	8		54	10.72	2,893	81	12	32.8
29247	Scorpio	6		54	12.34	3,555	113	2	52.3
29248	Serpens	7½		54	13.89	2,827	78	0	11.4
29249	Corona	9		54	14.82	2,340	57	24	23.4
29250	Corona	9		54	15.87	2,258	54	34	26.8
29251	Corona	9		54	16.20	2,258	54	34	27.0
29252	Serpens	7		54	18.99	3,045	■	45	50.7
29253	Corona	8		54	21.18	2,484	62	49	11.4
29254	Serpens	8		54	21.27	2,937	83	22	59.8
29255	Bootes	9½		54	22.30	1,690	39	35	38.1
29256	Bootes	8½		54	23.47	1,687	39	32	2.4
29257	Bootes	8		54	23.55	1,687	39	31	59.9
29258	Bootes	9		54	24.30	1,687	39	31	58.1
29259	Serpens	7½		54	25.60	3,082	90	35	54.1
29260	Serpens	8½		54	28.63	3,148	93	55	5.5
29261	Serpens	7		54	30.27	2,938	83	25	38.9
29262	Draco.....	9		54	30.61	1,514	36	16	41.0
29263	Serpens	8		54	30.73	2,895	81	18	6.7
29264	Serpens	9		54	31.61	2,771	75	19	21.4
29265	Serpens	8½		54	32.76	2,911	82	3	54.2
29266	Hercules	8		54	37.25	2,028	47	38	13.4
29267	Hercules	9		54	39.61	1,993	46	41	34.2
29268	Serpens	6		54	41.11	3,129	92	58	13.6
29269	Serpens	8		54	41.47	2,934	83	14	20.5
29270	Serpens	8		54	47.17	3,184	95	44	4.0
29271	Serpens	9		54	48.66	2,905	81	47	13.6
29272	Corona	8½		54	50.18	2,423	60	28	56.0
29273	Hercules	6		54	50.48	2,690	71	38	18.1
29274	Serpens	7½		54	55.37	3,126	92	47	55.1
29275	Corona	9		54	58.57	2,324	56	53	28.4
29276	Serpens	9		54	58.91	2,581	66	51	11.8
29277	Serpens	9		55	2.40	2,998	86	24	20.0
29278	Hercules	7		55	3.65	2,090	49	24	54.1
29279	Hercules	6½		55	4.29	2,090	49	24	55.2
29280	Serpens	6½	15	55	4.57	+3,185	95	44	10.9
									+10,401

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			h m s	s	° ' "	"	
29281	Scorpio	7½	15 55 4,65	+3,516	111 18 34,4	+10,400	345
29282	Corona	9	55 5,66	2,425	60 35 5,0	10,399	166
29283	Hercules	9	55 6,70	1,988	46 35 33,8	10,398	8
29284	Corona	8½	55 7,62	2,488	63 1 31,5	10,397	79
29285	Scorpio .. ω¹	5	55 7,74	3,488	110 6 49,8	10,397	343
29286	Serpens	8½	55 7,89	2,997	86 23 2,0	10,397	344
29287	Serpens	8	55 9,85	2,892	81 9 6,3	10,394	167
29288	Libra	8	55 12,15	3,235	98 12 44,8	10,391	288
29289	Corona	9½	55 18,70	2,418	60 19 32,5	10,383	166
29290	Scorpio	8½	55 21,12	3,350	103 45 4,1	10,380	347
29291	Serpens	6½	55 21,67	3,182	95 35 5,4	10,379	290
29292	Hercules	9	55 24,81	2,034	47 50 58,3	10,375	76
29293	Corona	8½	55 28,87	2,251	54 25 20,2	10,370	61
29294	Serpens	8	55 30,20	2,837	78 29 45,5	10,369	84
29295	Scorpio	8½	55 30,74	3,521	111 30 23,1	10,368	345
29296	Scorpio	7½	55 32,38	3,389	105 35 36,6	10,366	341
29297	Scorpio	7½	55 33,17	3,300	101 21 15,4	10,365	346
29298	Hercules	8½	55 37,80	2,644	69 35 39,1	10,359	75
29299	Serpens	9	55 37,81	2,791	76 18 18,4	10,359	159
29300	Corona	8½	55 40,63	2,260	54 45 10,8	10,355	293
29301	Scorpio	7½	55 40,65	3,407	106 23 22,9	10,355	341
29302	Corona	8½	55 40,83	2,260	54 45 13,3	10,355	61
29303	Scorpio .. ω²	5½	55 41,71	3,494	110 18 51,2	10,354	343
29304	Serpens	9	55 41,91	3,000	86 31 20,0	10,354	344
29305	Scorpio	8½	55 43,66	3,495	110 23 16,9	10,352	343
29306	Scorpio	8	55 46,63	3,428	107 22 58,1	10,348	342
29307	Corona	7½	55 47,20	2,516	64 13 35,0	10,347	164
29308	Corona	7½	55 47,43	2,516	64 13 39,4	10,347	66
29309	Serpens	7½	55 48,71	3,154	94 12 5,0	10,345	292
29310	Corona	8	55 50,88	3,438	107 48 58,8	10,343	342
29311	Corona	7	55 53,07	3,578	113 54 43,6	10,340	472
29312	Corona	6	55 53,31	3,578	113 54 35,0	10,340	473
29313	Hercules	9	55 54,30	2,644	69 36 22,1	10,339	75
29314	Scorpio	6½	55 55,49	3,345	103 31 12,9	10,337	347
29315	Scorpio	6½	55 55,66	3,345	103 31 18,4	10,337	346
29316	Serpens	8	55 56,69	3,125	92 46 30,0	10,335	346
29317	Serpens	7	55 57,23	2,895	81 20 56,3	10,335	167
29318	Serpens	6½	55 57,23	2,895	81 21 2,5	10,335	287
29319	Corona	5½	55 58,00	2,200	52 48 28,7	10,334	78
29320	Serpens	7½	15 55 59,29	+3,066	89 48 42,9	+10,332	339

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			h m s	s	° ' "	"	
29321	Serpens	9	15 56 2.64	+2,578	66 47 39.5	+10,328	348
29322	Corona	8	56 4.88	2,279	55 25 48.4	10,325	162
29323	Serpens	8	56 6.23	3,063	89 38 36.4	10,324	339
29324	Draco.....	8½	56 6.33	1,565	37 18 45.2	10,324	356
29325	Serpens	8	56 8.28	3,024	87 44 8.1	10,321	291
29326	Scorpio	7½	56 12.96	3,324	102 30 7.1	10,315	346
29327	Serpens	8½	56 18.74	3,017	87 21 59.2	10,308	291
29328	Serpens	8	56 25.57	2,745	74 11 24.3	10,299	81
29329	Draco.....	9	56 26.59	1,606	38 5 37.1	10,298	357
29330	Hercules	8	56 30.88	2,842	78 45 37.5	10,293	84
29331	Scorpio	6	56 31.08	3,318	102 11 47.7	10,292	346
29332	Serpens	9	56 32.18	3,124	92 42 2.7	10,291	346
29333	Serpens	7	56 32.34	2,950	84 2 6.7	10,291	340
29334	Serpens	8½	56 32.68	2,885	80 51 11.2	10,291	167
29335	Hercules .. v	5	56 34.00	1,857	43 24 5.2	10,289	352
29336	Corona	7	56 34.78	2,323	56 56 32.7	10,288	162
29337	Serpens	8½	56 36.36	2,589	67 15 54.8	10,286	467
29338	Scorpio	7	56 36.89	3,436	107 41 19.9	10,285	342
29339	Corona	7	56 38.20	2,274	55 16 0.9	10,284	162
29340	Hercules	7	56 38.28	1,804	42 12 17.4	10,283	353
29341	Corona	7	56 38.35	2,273	55 15 53.1	10,283	293
29342	Serpens	9	56 43.10	2,786	76 7 7.8	10,277	159
29343	Serpens	8	56 44.27	2,786	76 7 34.8	10,276	159
29344	Scorpio	10	56 48.19	3,561	113 8 14.7	10,271	345
29345	Scorpio	5½	56 48.42	3,561	113 8 14.0	10,271	473
29346	Scorpio	8	56 51.72	3,312	106 35 14.0	10,267	341
29347	Scorpio	9	56 53.59	3,493	110 12 35.4	10,264	343
29348	Corona	9	56 57.18	2,477	62 43 20.1	10,260	79
29349	Serpens	7	56 58.19	2,595	67 32 57.2	10,259	467
29350	Serpens	9	56 59.51	2,741	74 3 3.9	10,257	81
29351	Draco.....	6	56 59.65	1,518	36 31 7.5	10,257	354
29352	Scorpio	11	56 59.79	3,227	97 46 17.9	10,257	288
29353	Scorpio	7½	57 7.74	3,340	103 13 2.3	10,246	347
29354	Serpens	8	57 12.41	3,112	92 6 9.2	10,241	346
29355	Corona	9	57 12.93	2,513	64 9 44.8	10,240	66
29356	Serpens	9	57 18.11	3,078	90 23 55.1	10,234	339
29357	Hercules	9	57 19.58	2,059	48 42 0.4	10,232	76
29358	Hercules	9	57 20.59	2,645	69 43 53.6	10,230	75
29359	Hercules	9	57 24.01	2,069	48 59 1.6	10,226	76
29360	Draco.....	11	15 57 25.65	+0,409	23 22 52.8	+10,224	386

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			h m s	"	° ' "	"	
29361	Scorpio	6½	15 57 29,19	+3,454	108 27 2,8	+10,220	342
29362	Serpens	7½	57 29,96	2,990	86 2 32,8	10,219	344
29363	Scorpio	8	57 30,98	3,549	112 38 6,0	10,217	345
29364	Scorpio	9	57 31,20	3,549	112 38 7,3	10,217	473
29365	Scorpio	7	57 31,85	3,263	99 33 5,9	10,216	468
29366	Scorpio	8	57 32,97	3,544	112 24 28,0	10,215	345
29367	Corona	8	57 36,60	2,270	55 12 52,5	10,210	162
29368	Corona	8	57 36,75	2,270	55 12 46,6	10,210	293
29369	Draco.....	7½	57 37,43	0,549	24 32 46,9	10,209	386
29370	Corona	8	57 40,19	2,347	57 51 59,3	10,206	70
29371	Serpens	8	57 44,43	3,080	90 29 26,2	10,200	339
29372	Scorpio	8	57 45,26	3,464	108 54 45,6	10,200	342
29373	Serpens	9	57 49,80	2,841	78 46 52,9	10,194	84
29374	Serpens	7½	57 52,49	3,069	89 57 4,9	10,190	339
29375	Scorpio	8½	57 53,55	3,491	110 4 21,2	10,189	343
29376	Corona	8	57 55,39	2,301	56 17 46,5	10,187	162
29377	Hercules	8½	57 58,57	2,057	48 41 49,1	10,183	76
29378	Corona	7	57 59,20	2,327	57 12 5,4	10,182	70
29379	Serpens	9½	58 0,35	2,781	75 55 9,0	10,180	159
29380	Serpens	8½	58 1,38	3,004	86 44 2,2	10,179	344
29381	Corona	6½	58 2,90	2,113	50 17 45,2	10,177	289
29382	Corona	6½	58 4,06	2,113	50 17 44,4	10,176	10
29383	Serpens	6	58 4,87	2,857	79 33 41,2	10,175	166
29384	Serpens	6	58 4,93	2,857	79 33 42,7	10,175	167
29385	Hercules	8	58 5,36	2,708	72 33 33,8	10,174	73
29386	Serpens	7½	58 8,76	2,785	76 7 9,2	10,170	159
29387	Draco.....	6	58 10,09	1,143	30 53 46,3	10,168	355
29388	Scorpio	7½	58 10,15	3,584	114 2 21,9	10,168	472
29389	Hercules	9	58 10,86	2,598	67 45 11,4	10,168	467
29390	Scorpio	7½	58 14,16	3,225	97 40 34,4	10,163	288
29391	Scorpio	7	58 15,97	3,326	102 30 36,8	10,161	346
29392	Scorpio	7½	58 17,22	3,311	101 50 3,0	10,159	346
29393	Corona	9½	58 23,53	2,323	57 4 39,0	10,151	70
29394	Corona	8½	58 23,84	2,245	54 25 54,8	10,151	61
29395	Scorpio	6	58 25,06	3,440	107 47 50,2	10,149	342
29396	Corona	8	58 27,74	2,391	59 32 50,4	10,146	166
29397	Hercules	9	58 28,32	2,600	67 50 4,5	10,145	467
29398	Corona	7½	58 28,37	2,198	52 55 20,6	10,145	78
29399	Corona	8	58 29,22	2,198	52 55 22,5	10,144	293
29400	Scorpio	7½	15 58 31,38	+3,527	111 37 4,0	+10,141	473

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29401	Scorpio	8½	15 58 32,59	+3,549	112 34 2,7	+10,140	473
29402	Scorpio	7½	58 32,74	3,549	112 33 58,2	10,140	345
29403	Corona	8	58 32,81	2,195	52 51 4,4	10,140	78
29404	Serpens	7	58 34,31	2,853	79 22 27,2	10,138	167
29405	Serpens	6	58 34,33	2,853	79 22 30,6	10,138	166
29406	Serpens	9	58 37,29	2,839	78 41 52,4	10,134	84
29407	Hercules	7½	58 37,58	2,733	73 44 34,8	10,134	81
29408	Hercules	9	58 37,95	1,949	45 50 4,4	10,133	165
29409	Hercules	9	58 38,08	1,949	45 50 5,1	10,133	8
29410	Hercules	6	58 42,03	2,585	67 37 53,1	10,128	467
29411	Hercules ....	.	58 42,33	2,710	72 43 12,8	10,128	73
29412	Serpens	9	58 44,97	2,750	74 32 28,7	10,124	81
29413	Serpens	8½	58 45,57	2,795	76 37 3,7	10,124	159
29414	Scorpio	7½	58 46,25	3,322	102 20 47,1	10,123	346
29415	Serpens	9	58 47,85	2,842	78 50 32,6	10,121	84
29416	Serpens	7½	58 49,43	2,949	84 3 6,4	10,119	340
29417	Serpens	6	58 49,80	2,885	80 55 23,5	10,118	167
29418	Ophiuchus	9	58 50,55	3,195	96 11 10,4	10,117	290
29419	Scorpio	8	58 51,13	3,286	100 35 29,1	10,117	468
29420	Ophiuchus	8½	58 56,90	3,151	94 1 35,8	10,109	292
29421	Hercules	8	58 57,92	1,944	45 43 58,3	10,108	165
29422	Hercules	8	58 58,02	1,944	45 43 56,7	10,108	8
29423	Serpens	7	58 58,78	2,883	80 50 33,4	10,107	167
29424	Serpens	6	59 0,00	2,989	86 0 15,5	10,106	344
29425	Scorpio	9	59 1,18	3,528	111 38 36,2	10,104	473
29426	Serpens	9	59 1,25	2,924	82 48 49,4	10,104	287
29427	Hercules .. x	6	59 2,69	2,703	72 24 35,2	10,102	73
29428	Corona	8½	59 2,70	2,520	64 32 44,1	10,102	164
29429	Hercules	7½	59 3,20	2,703	72 24 1,2	10,101	73
29430	Draco.....	7½	59 3,64	0,533	24 29 31,8	10,101	386
29431	Serpens	8½	59 8,71	3,130	93 11 25,0	10,094	346
29432	Corona	8½	59 9,56	2,271	55 21 48,1	10,093	162
29433	Corona	8½	59 9,79	2,195	52 52 32,2	10,093	78
29434	Draco.....	9	59 10,27	1,557	37 23 20,5	10,093	357
29435	Scorpio	8	59 13,27	3,226	97 42 51,2	10,089	288
29436	Serpens	8½	59 20,40	3,007	86 55 2,3	10,080	344
29437	Serpens	6	59 20,81	2,929	83 2 25,7	10,079	287
29438	Serpens	6	59 20,83	2,929	83 2 27,3	10,079	340
29439	Corona	8½	59 21,00	2,126	50 47 32,2	10,079	10
29440	Serpens	5½	15 59 23,47	+3,129	92 55 41,9	+10,076	347

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29441	Serpens	7	15 59 31.69	+3,042	88 38 25.2	+10,066	291
29442	Corona	7½	59 32.63	2,414	60 27 44.1	10,064	166
29443	Corona	9	59 32.81	2,519	64 32 52.1	10,064	66
29444	Draco.....	7	59 36.16	0,448	21 48 56.0	10,060	356
29445	Serpens	8½	59 38.28	3,091	91 4 32.3	10,057	339
29446	Corona	9	59 42.67	2,409	60 16 57.8	10,052	166
29447	Scorpio	8½	59 44.23	3,355	103 50 39.0	10,050	347
29448	Hercules	7½	59 44.58	2,730	73 39 50.1	10,049	81
29449	Scorpio	7½	59 45.19	3,618	115 20 6.7	10,048	472
29450	Hercules.....	6½	59 45.40	2,699	72 15 7.7	10,048	73
29451	Draco.....	9	59 45.48	1,556	37 24 3.0	10,048	357
29452	Scorpio	8	59 45.89	3,436	107 34 48.7	10,048	342
29453	Serpens	8	15 59 53.03	2,792	76 32 4.2	10,038	159
29454	Scorpio	7	16 0 0.10	3,228	97 45 52.2	10,029	288
29455	Serpens	9	0 1.34	2,792	76 32 4.1	10,028	159
29456	Scorpio	8½	0 1.97	3,537	111 57 40.4	10,027	473
29457	Serpens	7	0 4.82	3,026	87 51 41.4	10,024	291
29458	Hercules	8	0 5.93	2,695	72 5 47.3	10,022	73
29459	Ophiuchus....	9	0 6.67	3,155	94 11 57.0	10,021	292
29460	Scorpio	9½	12.18	3,553	112 37 48.1	10,014	473
29461	Serpens	8	0 13.06	2,845	79 0 59.3	10,013	84
29462	Corona	9	0 16.55	2,119	50 37 37.8	10,009	289
29463	Corona	8	0 17.00	2,119	50 37 45.4	10,008	10
29464	Serpens	8	0 17.32	2,836	78 35 51.7	10,008	84
29465	Hercules	9	0 20.50	2,108	50 18 24.5	10,004	289
29466	Scorpio	7	0 22.46	3,467	108 55 1.1	10,001	344
29467*	Scorpio	7½	0 22.80	3,467	108 55 2.3	10,001	342
29468	Scorpio	4	0 23.32	3,467	108 55 38.1	10,000	344
29469	Scorpio	4	0 23.81	3,467	108 55 42.3	10,000	342
29470	Corona	9½	0 25.73	2,316	56 58 56.1	9,997	162
29471	Scorpio	8	0 31.72	3,458	108 31 54.8	9,991	342
29472	Hercules	8½	0 33.08	2,727	73 33 24.7	9,988	81
29473	Serpens	9	0 33.51	3,070	90 1 9.6	9,987	339
29474	Serpens	7½	0 34.39	3,006	86 50 37.9	9,986	344
29475	Hercules	8	0 42.52	2,592	67 37 54.9	9,976	468
29476	Corona	8	43.17	2,375	59 4 43.2	9,975	70
29477	Corona	8½	0 43.38	2,222	53 51 51.7	9,975	293
29478	Corona	9	0 43.91	2,223	53 52 49.1	9,974	61
29479	Serpens	8	44.34	3,140	93 27 27.9	9,974	292
29480	Scorpio	7½	16 0 45.39	+3,470	109 2 58.2	+ 9,972	342

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29481	Corona	8	16	0	50.67	+2,279	55	43	46.7	+9,966	162
29482	Hercules	7		1	2.71	1,778	41	57	21.9	9,950	353
29483	Hercules	9		1	2.96	2,950	84	7	5.3	9,950	89
29484	Hercules	9		1	3.02	2,950	84	6	56.1	9,950	340
29485	Scorpio.... ψ	5		1	4.87	3,265	99	32	0.6	9,948	468
29486	Serpens	8½		1	5.41	3,000	86	33	3.3	9,947	344
29487	Corona	•		1	6.77	2,454	62	5	19.7	9,945	79
29488	Scorpio	7		1	7.86	3,469	108	58	22.6	9,945	342
29489	Hercules	7½		1	9.04	2,054	48	50	5.9	9,942	76
29490	Scorpio	9		1	10.06	3,342	103	12	30.8	9,941	347
29491	Draco	9		1	12.00	1,536	37	8	25.8	9,939	357
29492	Serpens	8		1	16.78	2,853	79	25	52.5	9,933	84
29493	Scorpio	6		1	17.71	3,233	98	1	5.8	9,931	288
29494	Scorpio	8½		1	20.66	3,289	100	40	14.2	9,928	468
29495	Corona	•		1	21.98	2,465	62	29	37.0	9,926	79
29496	Corona	7½		1	22.77	2,223	53	54	55.5	9,924	293
29497	Hercules	8		1	25.70	1,703	40	23	38.3	9,921	358
29498	Serpens	9		1	25.88	2,795	76	43	8.8	9,921	159
29499	Corona	8½		1	30.34	2,388	59	36	58.4	9,915	166
29500	Corona τ	5½		1	39.14	2,193	52	59	32.1	9,904	78
29501	Serpens	8½		1	40.24	2,906	82	0	17.3	9,903	287
29502	Corona	8½		1	42.24	2,388	59	36	58.3	9,900	166
29503	Corona	8		1	42.55	2,270	55	30	14.1	9,900	163
29504	Hercules	8½		1	42.84	2,073	49	24	49.2	9,900	289
29505	Hercules	•		1	42.92	2,743	74	17	40.1	9,899	81
29506	Hercules	8		1	44.61	1,869	44	5	3.1	9,898	352
29507	Corona	7½		1	44.77	2,502	63	58	51.4	9,897	66
29508*	Corona	8		1	44.94	2,502	63	58	51.6	9,897	169
29509	Serpens	9		1	45.94	3,063	89	39	3.5	9,896	339
29510	Corona	•		1	49.32	2,470	62	43	36.9	9,892	79
29511	Scorpio	7½		1	54.17	3,373	104	35	22.1	9,885	347
29512	Serpens	7½		1	55.69	3,061	89	34	57.4	9,884	339
29513	Serpens	7		1	55.76	2,859	79	45	30.7	9,884	84
29514	Serpens	7		1	55.99	2,859	79	45	25.9	9,884	85
29515	Scorpio	7		1	57.12	3,513	110	52	31.8	9,881	344
29516	Hercules	9½		2	0.97	2,050	48	47	9.6	9,876	76
29517	Hercules	8		2	2.74	2,717	73	9	11.8	9,874	73
29518	Scorpio	8		2	4.45	3,571	113	15	55.7	9,872	473
29519	Serpens	9		2	17.97	2,900	81	43	34.7	9,855	287
29520	Hercules	•	16	2	18.50	+2,743	74	20	52.9	+9,854	81

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29521	Corona	9	16	2	21,26	+2,391	59	45	54,2	+9,851	166
29522	Serpens	8½		2	23,98	2,858	79	40	42,4	9,847	85
29523	Draco	9		2	25,44	1,152	31	52	17,1	9,846	355
29524	Serpens	7		2	25,73	3,094	91	11	16,2	9,845	347
29525	Hercules	6		2	25,80	2,709	72	48	22,2	9,845	73
29526	Ophiuchus	6		2	26,02	3,145	93	41	40,2	9,845	292
29527*	Hercules .. ϕ	6		2	28,70	1,885	44	32	1,7	9,841	165
29528	Hercules .. ϕ	5		2	29,07	1,885	44	32	2,5	9,841	353
29529	Hercules	8		2	29,35	2,702	72	29	40,7	9,841	73
29530	Hercules	7		2	33,24	2,034	48	22	35,8	9,836	76
29531	Corona	9		2	33,81	2,266	55	24	51,6	9,835	163
29532	Corona	9		2	37,27	2,388	59	41	57,0	9,830	166
29533	Corona	7		2	41,02	2,477	63	4	15,9	9,826	79
29534	Corona	9		2	41,78	2,386	59	37	33,9	9,824	166
29535	Scorpio	6		2	45,08	3,508	110	35	3,4	9,820	344
29536	Corona	8½		2	46,40	2,355	58	29	42,5	9,819	70
29537	Scorpio χ	5½		2	47,85	3,303	101	18	54,3	9,817	346
29538	Scorpio χ	5½		2	48,47	3,303	101	18	47,6	9,816	468
29539	Hercules	9		2	48,60	2,069	49	21	54,9	9,816	289
29540	Hercules	8		2	49,53	2,069	49	21	53,8	9,816	10
29541	Scorpio	8		2	52,34	3,248	98	40	44,8	9,811	288
29542	Draco	9		2	52,79	1,529	37	8	9,5	9,811	357
29543	Corona	7½		2	53,94	2,464	62	34	32,3	9,809	79
29544	Ophiuchus	7		2	55,94	3,142	93	31	37,6	9,807	292
29545	Serpens	7		2	56,57	3,070	89	59	39,2	9,806	339
29546	Corona	9		2	59,86	2,513	64	30	20,6	9,802	169
29547	Scorpio	7	3		3,10	3,538	111	51	36,0	9,798	473
29548	Corona	7½	3		3,50	2,354	58	28	34,4	9,797	70
29549	Hercules	3	3		7,27	2,550	65	58	42,9	9,792	469
29550	Hercules	5	3		7,36	2,550	65	58	44,2	9,792	468
29551	Hercules	6	3		7,62	2,549	65	58	40,4	9,792	348
29552	Scorpio	6½	3		7,78	3,449	108	0	33,1	9,791	342
29553	Hercules	8	3		9,47	2,712	72	57	24,0	9,789	73
29554	Scorpio	7	3		18,65	3,273	99	53	29,8	9,778	468
29555	Serpens	7	3		19,73	3,089	90	57	16,4	9,776	339
29556	Corona	9	3		21,51	2,476	63	3	7,5	9,774	79
29557	Hercules	5	3		22,21	2,956	84	27	22,8	9,774	89
29558	Hercules	6	3		22,23	2,956	84	27	23,5	9,773	344
29559	Hercules	5½	3		22,67	2,956	84	27	23,1	9,772	340
29560	Hercules	8	16	3	25,47	+2,052	48	55	22,1	+9,769	76

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29561	Serpens	8	16	3	25.69	+2,798	76° 53' 38.3	+9.769	160
29562	Draco.....	9		3	27.80	1,607	38 36 58.4	9.766	357
29563	Hercules	8		3	29.77	2,711	72 56 5.9	9.764	73
29564	Hercules	7		3	30.86	2,935	83 26 18.0	9.763	89
29565	Scorpio	8		3	34.34	3,279	100 8 21.8	9.758	468
29566	Serpens	7		3	37.90	2,793	76 40 41.9	9.753	160
29567*	Draco.....	7		3	39.09	1,641	39 17 23.6	9.752	358
29568	Draco.....	7		3	39.26	1,641	39 17 23.3	9.752	356
29569	Draco.....	8		3	43.63	1,613	38 44 22.2	9.745	357
29570	Hercules	8		3	45.45	2,950	84 9 37.1	9.743	89
29571	Ophiuchus....	7½		3	48.37	3,130	92 56 57.2	9.740	347
29572	Corona	7½		3	51.45	2,203	53 27 13.4	9.736	293
29573	Ophiuchus.. δ	3		3	51.52	3,134	93 9 56.9	9.736	344
29574	Serpens	8½		3	51.77	2,783	76 14 22.1	9.736	160
29575	Ophiuchus.. δ	3		3	52.59	3,134	93 10 2.7	9.734	347
29576	Ophiuchus.. δ	3		3	52.68	3,134	93 9 59.4	9.734	292
29577	Ophiuchus.. δ	3		3	52.71	3,134	93 10 2.3	9.734	290
29578	Hercules	7		3	55.36	1,926	45 38 20.1	9.731	165
29579	Hercules	6½		3	55.56	1,926	45 38 19.0	9.730	8
29580	Scorpio	8½		3	57.12	3,301	101 11 50.7	9.728	346
29581	Serpens	7		3	59.27	2,776	75 55 40.7	9.726	160
29582	Hercules	7½		4	0.34	2,653	70 22 37.4	9.725	75
29583	Hercules	8		4	0.38	2,822	78 3 44.4	9.723	84
29584	Corona	7		4	1.95	2,285	56 8 0.8	9.723	163
29585	Hercules	8		4	4.72	1,967	46 41 17.1	9.719	165
29586	Hercules	7		4	6.43	2,915	82 29 14.6	9.716	287
29587	Corona	7½		4	8.50	2,475	63 2 39.3	9.714	79
29588	Hercules	8½		4	10.02	2,578	67 12 42.5	9.712	469
29589	Scorpio	8		4	10.53	3,485	109 33 39.4	9.712	344
29590	Hercules	9		4	11.25	2,578	67 12 41.4	9.712	348
29591	Hercules	8½		4	11.31	2,595	67 56 33.1	9.711	468
29592	Scorpio	9		4	13.08	3,388	105 14 36.0	9.708	470
29593	Draco.....	7½		4	14.15	0,535	24 46 46.6	9.707	386
29594	Corona	7½		4	18.91	2,252	55 4 45.8	9.701	293
29595	Draco.....	9		4	20.47	1,491	36 33 56.0	9.699	354
29596	Serpens	7		4	22.98	3,067	89 52 53.6	9.696	339
29597	Hercules	6½		4	24.14	2,936	83 29 37.3	9.694	340
29598	Hercules	6		4	24.38	2,938	83 34 37.9	9.694	89
29599	Scorpio	7		4	26.25	3,322	102 9 51.6	9.692	346
29600	Scorpio	7	16	4	26.72	+3,585	113 46 3.2	+9.691	473

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29601	Scorpio	7½	16 4 26,75	+3,287	100° 31' 48,3	+9,691	468
29602	Hercules	7½	4 26,76	1,956	46 25 19,5	9,691	165
29603	Scorpio	8½	4 27,07	3,210	96 50 41,2	9,691	290
29604	Scorpio	7½	4 27,93	3,385	105 4 53,6	9,690	470
29605	Scorpio	•	4 28,31	3,385	105 4 39,1	9,689	347
29606	Hercules	7	4 28,47	2,595	67 54 53,0	9,689	468
29607	Corona	5½	4 29,21	2,188	53 2 59,8	9,688	78
29608	Corona	8	4 29,52	2,472	62 57 9,9	9,687	79
29609	Hercules	8	4 32,00	2,862	79 56 29,1	9,683	85
29610	Scorpio	8	4 32,62	3,392	105 22 17,7	9,683	470
29611	Corona	9	4 33,64	2,338	58 0 11,2	9,682	70
29612	Hercules	8	4 35,37	2,822	78 3 4,0	9,681	84
29613	Corona	7	4 37,24	2,304	56 49 29,3	9,679	77
29614	Serpens	8	4 41,47	3,064	89 44 33,2	9,672	339
29615	Corona	9	4 41,48	2,419	60 56 49,5	9,672	166
29616	Serpens	8½	4 41,53	3,071	90 4 16,1	9,672	339
29617	Scorpio	4½	4 45,61	3,231	97 49 39,4	9,668	288
29618	Scorpio	8	4 46,35	3,452	108 4 59,4	9,666	342
29619	Hercules	8	4 48,55	2,712	73 2 51,3	9,663	73
29620	Draco.....	9	4 53,35	1,237	32 36 4,1	9,657	355
29621	Corona	7	4 53,56	2,467	62 48 21,6	9,656	79
29622	Serpens	7½	4 59,56	3,072	90 7 28,2	9,649	339
29623	Hercules	8	4 59,92	2,666	70 59 45,7	9,649	75
29624	Hercules	6½	5 1,92	2,897	81 37 35,8	9,646	288
29625	Hercules	6	5 5,33	2,100	50 25 19,3	9,641	289
29626	Corona	7	5 8,96	2,305	56 52 57,2	9,636	77
29627	Hercules	6	5 10,71	1,980	47 6 24,7	9,635	76
29628	Hercules	8½	5 15,42	1,903	45 10 4,8	9,629	8
29629	Hercules	8	5 18,00	1,723	40 25 4,4	9,625	358
29630	Hercules	9	5 18,29	1,763	41 55 16,5	9,625	353
29631	Scorpio	6	5 18,99	3,487	109 35 35,4	9,624	344
29632	Hercules	8	5 21,62	2,972	85 13 29,0	9,620	91
29633	Draco.....	9	5 33,62	1,479	36 25 59,8	9,605	354
29634	Draco.....	9	5 36,00	1,531	37 20 19,0	9,603	356
29635	Hercules .. p	7½	5 36,17	2,820	77 59 33,4	9,603	84
29636	Hercules	9	5 38,41	1,752	41 42 44,0	9,599	353
29637	Corona	8	5 44,15	2,412	60 44 59,9	9,592	166
29638	Corona	9	5 44,18	2,180	52 50 47,0	9,592	78
29639	Corona	8	5 44,78	2,412	60 45 8,7	9,591	167
29640	Hercules	9	16 5 48,77	+1,955	46 29 32,1	+9,586	165

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			h m s	s	° ' "	"	
29641	Draco.....	6	16 5 50.45	+0,111	21 39 38.0	+9.584	356
29642	Hercules	7½	5 52.47	2,671	71 16 7.4	9.581	73
29643	Hercules	7½	5 52.80	2,671	71 16 7.6	9.581	75
29644	Hercules	9	5 53.86	2,089	50 8 12.9	9.580	289
29645	Corona	9	5 54.14	2,375	59 25 27.3	9.579	167
29646	Hercules	7½	5 55.28	2,037	48 42 1.8	9.578	76
29647	Scorpio	9	5 57.10	3,233	97 55 16.5	9.575	288
29648	Corona	7½	5 59.69	2,225	54 16 53.6	9.572	293
29649	Ophiuchus....	7	6 0.78	3,093	91 8 24.5	9.571	339
29650	Ophiuchus....	6½	6 1.47	3,093	91 8 25.5	9.570	347
29651	Scorpio	7½	■ 1.66	3,381	104 49 7.8	9.569	347
29652	Corona	8	6 2.60	2,306	56 58 47.9	9.568	77
29653	Hercules	8½	6 4.65	2,935	83 27 8.9	9.566	89
29654	Corona	7	6 6.30	2,132	51 24 44.5	9.563	78
29655	Hercules	8½	6 11.15	2,935	83 27 20.9	9.557	89
29656	Ophiuchus....	7½	6 11.72	3,172	94 59 13.2	9.557	290
29657	Ophiuchus....	7½	6 11.99	3,172	94 59 13.9	9.556	292
29658	Hercules	8	6 12.37	1,821	43 16 10.8	9.556	352
29659	Hercules	8	6 14.40	1,928	45 50 4.9	9.553	8
29660	Hercules	8	6 16.56	2,573	67 7 19.0	9.550	469
29661	Hercules	8½	6 16.67	2,573	67 7 19.6	9.550	468
29662	Hercules	9	6 16.77	2,573	67 7 23.0	9.550	348
29663	Hercules	8½	6 16.87	2,862	79 58 44.4	9.550	85
29664	Ophiuchus....	6	6 24.73	3,140	93 26 46.6	9.540	292
29665	Hercules	9	6 28.22	2,815	77 47 9.8	9.535	84
29666	Hercules	8	6 30.73	2,765	75 29 41.6	9.532	83
29667	Scorpio	8	6 32.70	3,564	112 47 6.3	9.530	473
29668	Hercules	7	6 35.06	2,821	78 4 0.1	9.526	84
29669	Hercules	9	6 35.81	1,833	43 35 28.5	9.526	352
29670	Hercules	6	6 37.23	2,657	70 40 39.5	9.523	75
29671	Scorpio	7	6 40.61	3,338	102 51 54.2	9.520	346
29672	Hercules	7½	6 44.20	2,893	81 27 19.0	9.515	288
29673	Scorpio	7	6 50.34	3,340	102 56 14.5	9.507	346
29674	Hercules	8½	6 54.44	2,595	68 2 38.0	9.502	468
29675	Hercules	8½	6 57.66	2,900	81 47 40.7	9.497	288
29676	Hercules	9	6 57.82	1,666	40 0 43.0	9.497	358
29677	Scorpio	7½	6 58.56	3,427	106 52 58.9	9.497	470
29678	Hercules	7½	7 0.31	2,050	49 7 57.8	9.494	76
29679	Corona σ	5½	7 11.53	2,264	55 37 35.0	9.479	77
29680	Ophiuchus....	7	16 7 14.44	+3,142	93 31 42.6	+9.475	292

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29681	Hercules	8	16	7	18.38	+2,617	68° 59' 54.5	+9.471	468
29682	Hercules	8		7	25.86	2,488	63 45 57.3	9.462	169
29683	Ophiuchus	•		7	26.44	3,492	109 42 57.1	9.461	344
29684	Corona	9		7	31.19	2,314	57 20 34.0	9.455	70
29685	Corona	9		7	31.65	2,174	52 48 4.1	9.454	78
29686	Hercules	8		7	31.81	2,779	76 8 36.0	9.454	83
29687	Ophiuchus	6½		7	36.38	3,028	87 59 57.0	9.449	291
29688	Corona	6½		7	38.39	2,444	62 4 3.6	9.445	79
29689	Scorpio	6		7	43.93	3,372	104 22 19.4	9.438	347
29690	Hercules	6		7	44.79	2,553	66 22 15.9	9.437	469
29691	Ophiuchus ..	3½		7	44.88	3,156	94 11 33.6	9.437	347
29692	Ophiuchus ..	3½		7	44.88	3,156	94 11 36.5	9.436	290
29693	Hercules	7		7	44.99	2,553	66 22 15.0	9.436	348
29694	Ophiuchus ..	3½		7	45.12	3,156	94 11 34.2	9.436	292
29695	Hercules	7½		7	56.17	2,899	81 45 47.4	9.422	288
29696	Ophiuchus	7		8	0.15	3,461	108 19 45.5	9.417	342
29697	Ophiuchus	8½		8	0.93	3,248	98 34 4.2	9.417	288
29698	Hercules	9		8	4.99	2,654	70 37 58.7	9.410	75
29699	Hercules	7½		8	13.34	2,933	83 25 10.0	9.399	89
29700	Hercules	8½		8	15.41	2,710	73 3 56.9	9.398	73
29701	Hercules	8		8	18.38	2,844	79 12 44.3	9.393	85
29702	Hercules	8		8	18.76	2,845	79 12 45.0	9.393	84
29703	Ophiuchus	8		8	23.03	3,489	109 32 45.7	9.388	344
29704	Ophiuchus	7		8	25.04	3,490	109 33 35.9	9.386	344
29705	Hercules	8		8	25.33	2,932	83 22 41.8	9.385	89
29706	Ophiuchus	7½		8	26.94	3,202	96 22 23.9	9.383	290
29707	Scorpio	8½		8	33.79	3,313	101 38 0.8	9.374	346
29708	Corona	7		8	34.27	2,177	52 56 22.8	9.374	78
29709	Scorpio	9		8	34.31	3,431	107 0 5.4	9.374	470
29710	Corona	7		8	34.63	2,177	52 56 25.9	9.373	293
29711	Corona	8		8	35.72	2,199	53 37 26.3	9.371	293
29712	Hercules	9		8	36.81	2,656	70 42 30.7	9.369	75
29713	Scorpio	5		8	37.54	3,588	113 40 24.3	9.369	473
29714	Hercules	8		8	40.30	2,603	68 27 19.4	9.366	468
29715	Hercules	9		8	43.55	2,011	48 10 13.2	9.361	76
29716	Corona v	6		8	43.91	2,396	60 20 47.1	9.361	167
29717	Hercules	8		8	44.27	2,498	64 11 43.1	9.361	169
29718	Corona	8		8	45.16	2,446	62 11 59.1	9.358	79
29719	Hercules	8		8	46.28	2,785	76 26 53.9	9.358	83
29720	Ophiuchus	8	16	8	49.06	+3,491	109 37 16.3	+9.354	344

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			h m s	s	° ' "	"	
29721	Hercules	8½	16 8 49,29	+2,782	76 19 33,8	+9,354	83
29722	Hercules	8	8 51,59	2,908	82 14 27,1	9,351	288
29723	Draco.....	9½	8 51,63	0,158	22 7 2,2	9,351	356
29724	Hercules	8	8 54,75	2,679	71 42 48,7	9,347	73
29725	Ophiuchus....	8	8 55,11	3,459	108 11 41,5	9,346	342
29726	Hercules	8½	8 55,31	2,929	83 12 6,3	9,346	89
29727	Hercules	9	8 59,36	2,490	63 54 42,7	9,342	169
29728*	Scorpio σ	4	9 3,11	3,624	115 5 54,3	9,336	472
29729	Corona	8½	9 3,27	2,191	53 24 38,0	9,336	293
29730	Draco.....	9	9 6,15	1,468	37 31 21,0	9,333	357
29731	Scorpio	9	9 8,67	3,347	103 11 1,6	9,329	347
29732	Hercules	9	9 8,90	2,115	51 7 5,9	9,328	289
29733	Corona	8½	9 10,32	2,203	53 47 58,3	9,326	293
29734	Hercules	7	9 11,24	2,421	61 51 17,7	9,326	79
29735	Hercules	8	9 11,25	2,388	60 4 16,6	9,325	167
29736	Hercules	9	9 16,07	1,775	42 27 20,0	9,320	353
29737	Scorpio	6½	9 20,45	3,330	102 25 5,0	9,313	346
29738	Hercules	7	9 21,60	2,540	65 53 40,0	9,312	469
29739	Hercules	8	9 22,53	2,540	65 53 46,2	9,311	348
29740	Ophiuchus....	9	9 29,85	3,488	109 26 27,8	9,302	344
29741	Ophiuchus....	8	9 32,63	3,122	92 31 50,3	9,298	347
29742	Hercules	8	9 35,96	2,944	83 57 48,3	9,294	89
29743	Hercules	8	9 40,22	2,910	82 19 36,9	9,288	288
29744	Hercules	8	9 40,50	2,105	50 51 17,4	9,287	289
29745	Hercules	8	9 42,25	2,705	72 53 13,0	9,285	73
29746	Serpens	8	9 43,24	2,999	86 36 9,1	9,283	91
29747	Hercules	9	9 43,76	2,875	80 39 35,8	9,283	85
29748	Serpens	8	9 44,76	3,004	86 49 29,4	9,283	91
29749	Hercules	8½	9 49,48	2,791	76 46 24,9	9,277	83
29750	Hercules	9	9 51,67	2,482	63 38 32,1	9,271	169
29751	Corona	8	9 57,42	2,246	55 13 15,3	9,266	77
29752	Corona	7	9 58,05	2,320	57 42 56,3	9,265	70
29753	Hercules	9	9 59,37	1,876	44 49 36,7	9,263	165
29754	Hercules	7	10 6,66	2,481	63 36 28,0	9,253	169
29755	Hercules	9	10 9,98	2,792	76 50 54,8	9,249	83
29756*	Draco.....	9	10 10,45	1,522	37 28 15,3	9,249	357
29757	Ophiuchus....	8	10 12,27	3,335	102 37 2,7	9,247	346
29758	Hercules	8½	10 13,72	2,709	73 4 43,0	9,245	73
29759	Corona	8½	10 14,17	2,534	65 42 4,6	9,244	469
29760	Hercules	8	16 10 20,45	+2,853	79 40 58,1	+9,237	85

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29761	Hercules	9	h m s 16 10 23,36	+1,880	44° 56' 31,7"	+9,232	165
29762	Corona	8	10 27,09	2,174	52 59 2,9	9,228	78
29763	Corona	7½	10 29,51	2,201	53 48 14,0	9,224	293
29764	Corona	7½	10 38,40	2,238	55 1 2,8	9,213	77
29765	Hercules	8	10 52,66	2,002	48 4 26,2	9,194	76
29766	Hercules	7½	10 54,13	2,132	51 44 24,5	9,192	78
29767	Ophiuchus	8½	10 54,51	3,046	88 52 57,2	9,192	291
29768	Draco	7½	10 54,70	1,449	36 15 34,5	9,192	354
29769	Ophiuchus	8½	10 55,49	3,098	91 22 42,3	9,191	347
29770	Scorpio	8	10 56,75	3,592	113 43 2,5	9,189	473
29771	Hercules	7½	10 58,52	2,629	69 39 42,2	9,187	75
29772	Hercules	8	11 3,88	2,808	77 34 12,4	9,179	84
29773	Hercules	8½	11 12,05	2,114	51 13 48,4	9,168	289
29774	Hercules	8	11 12,38	2,114	51 13 51,9	9,168	78
29775	Hercules . . . .	.	11 19,90	2,476	63 29 31,4	9,158	169
29776	Ophiuchus	7	11 22,06	3,058	89 26 5,5	9,156	339
29777	Hercules	6	11 23,57	2,598	68 22 28,1	9,154	468
29778	Ophiuchus	6½	11 23,61	3,423	106 32 11,6	9,154	470
29779	Ophiuchus	9	11 25,67	3,426	106 40 2,4	9,152	470
29780	Ophiuchus	6½	11 27,19	3,242	98 15 16,4	9,150	288
29781	Ophiuchus	7½	11 33,77	3,298	100 50 10,0	9,141	468
29782	Ophiuchus	9	11 38,52	3,048	88 56 27,1	9,135	291
29783	Hercules	8	11 38,71	2,920	82 51 1,5	9,135	288
29784	Draco	7	11 43,26	0,173	22 20 56,0	9,129	356
29785	Corona	9	11 43,86	2,362	59 16 44,7	9,128	167
29786	Hercules	9	11 44,12	1,955	46 52 50,0	9,128	8
29787	Hercules	9	11 45,09	1,954	46 52 50,0	9,126	165
29788	Corona	8	11 49,54	2,293	56 52 46,0	9,120	77
29789	Hercules	8	11 53,66	2,938	83 42 23,9	9,116	89
29790	Corona	8	11 57,40	2,243	55 14 40,4	9,109	77
29791	Corona	8	11 59,06	2,243	55 14 44,6	9,107	293
29792	Hercules	7½	12 0,20	2,441	62 10 47,6	9,107	79
29793	Ophiuchus	8	12 2,03	3,049	89 1 2,2	9,103	291
29794	Ophiuchus	7½	12 2,50	3,148	93 45 21,2	9,103	292
29795	Ophiuchus	9	12 4,49	3,147	93 44 6,1	9,101	292
29796	Hercules	7	12 6,27	2,156	52 32 12,6	9,099	78
29797	Hercules	7	12 13,22	3,000	86 38 33,1	9,090	91
29798	Ophiuchus . . . .	.	12 15,37	3,210	96 43 36,2	9,086	290
29799	Hercules	9	12 16,80	1,940	46 32 38,4	9,084	8
29800	Ophiuchus	6	16 12 17,22	+3,103	91 35 46,7	+9,084	347

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			h m s	s			
29801	Hercules	7	16 12 19,04	+2,995	86° 25' 52,6	+9,082	91
29802	Hercules	8	12 19,87	2,478	63 37 37,1	9,082	169
29803	Hercules	8½	12 20,75	2,473	63 24 46,9	9,080	169
29804	Hercules	8½	12 22,74	2,674	71 39 56,0	9,078	73
29805	Hercules	8	12 24,75	2,786	76 37 58,5	9,074	83
29806	Ophiuchus.. ψ	4½	12 25,28	3,493	109 33 21,4	9,074	344
29807	Ophiuchus.. ψ	5½	12 25,57	3,493	109 33 20,2	9,074	342
29808	Hercules	9	12 29,29	2,830	78 39 42,4	9,069	84
29809	Hercules	9½	12 29,43	1,882	45 7 20,9	9,068	165
29810	Hercules	9½	12 32,44	2,674	71 39 56,0	9,065	73
29811	Corona	•	12 34,76	2,353	59 0 24,5	9,061	70
29812	Hercules	6	12 34,95	2,570	67 16 25,7	9,061	469
29813	Corona	8½	12 35,30	2,353	59 0 21,1	9,061	167
29814	Hercules	7	12 35,59	2,570	67 16 27,2	9,061	468
29815	Hercules	8	12 35,68	1,990	47 51 12,2	9,061	76
29816	Hercules	7½	12 36,00	2,570	67 16 29,4	9,059	348
29817	Hercules	7½	12 39,90	2,773	76 3 24,6	9,055	83
29818	Corona	8	12 40,11	2,279	56 27 35,2	9,055	77
29819	Hercules	8	12 40,53	2,872	80 34 43,3	9,055	85
29820	Hercules	7	12 43,03	2,551	66 31 28,6	9,050	469
29821	Hercules	8	12 43,46	2,551	66 31 38,6	9,049	348
29822	Ophiuchus	7	12 49,06	3,077	90 21 33,6	9,042	339
29823	Hercules	8½	12 49,07	2,871	80 31 55,2	9,042	85
29824	Ophiuchus	8½	12 54,47	3,074	90 12 55,1	9,036	339
29825	Ophiuchus	8	12 55,74	3,071	90 5 2,8	9,035	339
29826	Ophiuchus	•	13 0,65	3,556	112 10 21,3	9,028	473
29827	Ophiuchus	7	13 3,40	3,292	100 31 45,6	9,024	468
29828	Hercules	8	13 3,88	2,584	67 51 47,1	9,024	468
29829	Hercules	5½	13 4,14	2,060	49 48 14,5	9,024	289
29830	Hercules .. γ	4	13 6,26	2,644	70 22 3,1	9,020	75
29831	Hercules .. γ	•	13 6,58	2,644	70 22 1,2	9,020	472
29832*	Hercules	8½	13 7,12	2,438	62 8 27,0	9,020	79
29833	Draco.....	8	13 7,53	1,201	32 35 30,6	9,020	355
29834	Ophiuchus	9	13 10,43	3,349	103 9 8,9	9,015	347
29835	Hercules	9	13 10,76	2,396	60 35 6,4	9,015	167
29836	Ophiuchus	8½	13 11,07	3,349	103 9 4,5	9,014	346
29837	Hercules	7	13 14,00	2,580	67 42 23,8	9,011	468
29838	Ophiuchus	8	13 20,53	3,107	91 47 12,9	9,002	347
29839	Hercules	9	13 22,74	2,394	60 31 27,2	8,999	167
29840	Ophiuchus ..	7	16 13 25,93	+3,577	112 58 57,7	+8,995	473

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			h m s	s	" ' "	" "	
29841	Draco.....	.	16 13 33,60	+0,438	24 26 2,5	+8,984	386
29842	Hercules	5½	13 36,27	1,668	40 28 33,0	8,981	358
29843	Ophiuchus	8	13 36,69	3,575	112 55 46,2	8,980	473
29844	Ophiuchus .. g	5	13 36,73	3,577	112 58 20,7	8,980	473
29845	Ophiuchus .. g	.	13 36,78	3,577	112 58 24,3	8,980	565
29846	Hercules	9	13 43,32	2,437	62 8 33,7	8,973	79
29847	Hercules .. r	5	13 43,92	1,796	43 12 14,0	8,973	352
29848	Hercules	9	13 48,27	1,884	45 16 0,5	8,966	165
29849	Draco.....	9	13 49,29	0,145	22 15 8,3	8,964	356
29850	Hercules	8	13 50,38	2,848	79 30 55,1	8,964	85
29851	Hercules	8	13 50,91	2,764	75 40 58,6	8,962	83
29852	Hercules	8	13 53,07	2,010	48 28 2,4	8,960	76
29853	Hercules	8½	13 54,71	2,506	64 46 41,7	8,958	169
29854	Hercules	8	13 55,85	2,684	72 7 9,9	8,956	73
29855	Hercules	8	14 0,92	2,580	67 45 48,8	8,949	468
29856	Hercules	9	14 2,26	2,188	53 37 13,9	8,947	293
29857	Hercules	9	14 7,78	1,890	45 25 21,1	8,940	8
29858	Hercules	9	14 8,32	2,013	48 33 47,3	8,939	76
29859	Hercules	8	14 9,86	2,682	72 4 12,7	8,937	73
29860	Ophiuchus	8½	14 13,89	3,034	88 16 35,1	8,933	291
29861	Hercules	8	14 16,26	2,634	70 1 5,1	8,930	75
29862	Corona ξ	5	14 18,52	2,340	58 38 5,3	8,926	70
29863	Hercules	9	14 19,78	1,883	45 16 13,0	8,925	8
29864	Hercules	8	14 19,83	2,011	48 31 37,5	8,925	76
29865	Hercules	9	14 20,26	2,500	64 32 44,3	8,924	169
29866	Hercules ....	.	14 23,33	2,814	77 56 1,4	8,921	84
29867	Hercules.... o	6	14 26,80	2,914	82 34 43,2	8,916	288
29868	Ophiuchus	8	14 27,43	3,036	88 22 5,2	8,915	291
29869	Hercules	9	14 37,68	2,944	83 59 53,2	8,902	89
29870	Hercules	9	14 39,32	2,407	61 3 40,3	8,899	167
29871	Ophiuchus	8½	14 41,95	3,273	99 36 48,5	8,896	468
29872	Ophiuchus	9½	14 42,04	3,108	91 50 42,9	8,895	347
29873	Hercules	9	14 42,35	1,665	40 28 10,1	8,895	358
29874	Hercules	8	14 43,42	1,994	48 5 4,6	8,894	76
29875	Hercules	8	14 48,48	2,713	73 25 21,1	8,887	81
29876	Hercules	8	14 49,19	1,900	45 41 58,5	8,885	165
29877	Corona γ¹	4½	14 49,31	2,252	55 43 16,4	8,886	77
29878	Hercules	8	14 50,26	1,900	45 41 57,0	8,885	8
29879	Hercules	8	14 52,78	1,871	45 0 1,8	8,881	165
29880	Hercules	7	16 14 54,35	+2,842	79 15 50,4	+8,879	85

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29881	Corona γ ?	4½	16 14 57.12	+2,255	55 49 22.4	+8,874	77
29882	Ophiuchus	9	14 59.89	3,184	95 25 36.6	8,871	290
29883	Ophiuchus	8	15 3.32	3,141	93 23 44.4	8,867	292
29884	Hercules	8	15 5.97	2,711	73 22 15.8	8,863	81
29885	Ophiuchus	9	15 10.90	3,034	88 18 36.9	8,858	291
29886	Hercules	7	15 13.51	2,634	70 1 56.7	8,855	75
29887	Hercules	8½	15 14.85	2,683	72 9 21.4	8,853	73
29888	Corona	5½	15 15.78	2,296	57 11 28.2	8,851	70
29889	Ophiuchus	7	15 16.06	3,112	92 0 51.1	8,851	347
29890	Hercules	9	15 20.64	2,124	51 46 28.4	8,845	78
29891	Draco	7	15 21.11	1,504	37 28 45.8	8,845	356
29892	Draco	9	15 22.67	1,144	31 55 57.3	8,843	355
29893	Corona	8	15 23.70	2,287	56 53 52.7	8,841	70
29894	Ophiuchus . . χ	5½	15 27.01	3,459	107 59 19.4	8,837	342
29895	Ophiuchus	8	15 28.06	3,111	91 59 46.1	8,835	347
29896	Ophiuchus	7½	15 30.80	3,444	107 18 7.7	8,832	470
29897	Corona	7½	15 43.72	2,254	55 50 7.2	8,814	77
29898	Hercules . . . .	.	15 43.81	2,817	78 6 6.1	8,814	84
29899	Hercules	9	15 48.88	2,436	62 11 21.8	8,803	79
29900	Ophiuchus	7½	15 49.63	3,244	98 15 42.5	8,806	288
29901	Hercules	8	15 51.94	2,659	71 7 45.8	8,804	75
29902	Hercules	8	15 53.55	2,408	61 8 39.9	8,802	167
29903	Hercules	7	15 57.71	2,194	53 54 44.5	8,796	293
29904	Ophiuchus	9	16 0.78	3,317	101 37 44.8	8,792	346
29905	Hercules	8	16 1.35	2,940	83 49 44.3	8,792	89
29906	Scorpio	8	16 5.58	3,630	114 59 38.0	8,786	565
29907	Corona	8	16 5.93	2,373	59 54 48.5	8,786	167
29908	Hercules	7	16 6.50	2,861	80 9 39.2	8,784	85
29909	Hercules	8½	16 10.47	2,710	73 21 26.2	8,780	81
29910	Hercules	7½	16 11.67	2,563	67 8 50.7	8,778	468
29911	Hercules . . ω	5½	16 11.76	2,758	75 29 45.2	8,778	83
29912	Hercules	8	16 12.37	2,563	67 8 55.2	8,777	348
29913	Hercules	9	16 14.32	2,936	83 38 34.9	8,774	89
29914	Draco	9	16 16.77	1,361	35 8 38.1	8,772	354
29915	Serpens	6½	16 18.36	3,007	87 1 48.0	8,770	91
29916	Ophiuchus	9	16 24.49	3,044	88 45 45.5	8,762	291
29917	Draco	9½	16 25.69	0,133	22 16 51.3	8,760	356
29918	Hercules	8	16 26.24	1,885	45 26 34.9	8,760	8
29919	Hercules	8½	16 26.54	1,885	45 26 35.6	8,759	165
29920	Hercules	8	16 16 28.81	+2,695	72 42 30.5	+8,756	73

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29921	Ophiuchus	8	16 16 29,51	+3,446	107 23 15,3	+8,755	342
29922	Ophiuchus	8	16 33,12	3,123	92 31 41,3	8,750	347
29923	Ophiuchus	9	16 35,11	3,121	92 26 3,1	8,747	347
29924	Hercules	7	16 36,20	2,879	81 0 58,3	8,746	86
29925	Hercules	8	16 37,32	2,751	75 11 8,7	8,744	83
29926	Hercules	8	16 40,17	2,424	61 46 36,9	8,742	79
29927	Hercules	9	16 42,29	2,819	78 13 33,8	8,738	84
29928	Ophiuchus	8	16 44,76	3,298	100 43 27,9	8,735	468
29929	Serpens	6	16 46,21	3,011	87 11 17,0	8,734	291
29930	Serpens	5½	16 46,30	3,011	87 11 21,1	8,734	91
29931	Hercules	6½	16 47,79	2,817	78 7 43,7	8,732	84
29932	Hercules	8	16 51,63	2,289	57 3 46,7	8,726	77
29933	Hercules	8	16 52,16	2,239	57 3 48,1	8,726	70
29934	Ophiuchus	7½	16 52,28	3,409	105 45 2,0	8,725	470
29935	Ophiuchus . . . .	.	16 57,48	3,220	97 7 40,4	8,718	290
29936	Hercules	9	16 57,73	2,409	61 14 17,5	8,718	167
29937	Hercules	8	16 58,73	2,090	50 53 25,4	8,717	289
29938	Hercules	8	16 58,82	2,752	75 14 24,5	8,716	83
29939	Ophiuchus	4½	16 59,67	3,237	97 54 39,0	8,716	288
29940	Hercules	8½	17 1,53	2,145	52 29 44,3	8,714	78
29941	Hercules	9	17 1,53	2,145	52 29 29,3	8,714	78
29942	Hercules	7	17 7,08	2,863	80 15 44,9	8,708	86
29943	Scorpio α	1	17 8,69	3,656	115 58 4,9	8,704	344
29944	Scorpio α	1	17 9,90	3,657	115 58 18,9	8,702	473
29945	Scorpio α	1	17 10,05	3,657	115 58 33,1	8,702	567
29946	Scorpio α	1	17 10,06	3,657	115 58 28,9	8,702	565
29947	Ophiuchus	7	17 12,61	3,450	107 31 34,2	8,698	342
29948	Hercules	7½	17 14,01	1,962	47 25 19,0	8,696	76
29949	Hercules	8½	17 15,73	1,871	45 9 7,9	8,694	165
29950	Hercules	7½	17 16,38	2,096	51 3 20,4	8,694	289
29951	Ophiuchus	6½	17 17,09	3,347	102 56 28,0	8,693	346
29952	Hercules	9	17 17,23	1,867	45 3 9,0	8,692	8
29953	Hercules	7½	17 17,26	2,825	78 32 39,0	8,692	84
29954	Ophiuchus	7	17 17,28	3,347	102 56 27,4	8,692	347
29955	Hercules	7	17 17,88	2,734	74 26 34,2	8,692	81
29956	Hercules	8½	17 19,59	1,971	47 39 31,1	8,690	76
29957	Hercules	9	17 22,98	1,726	41 54 6,9	8,686	353
29958	Ophiuchus	8	17 28,66	3,055	89 18 18,2	8,678	339
29959	Serpens	6	17 30,73	2,999	86 40 7,8	8,674	91
29960	Hercules	6½	16 17 34,77	+2,714	73 33 53,2	+8,670	73

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29961	Hercules	6	16 17 35.44	+2,714	73 33 53.0	+8,668	81
29962	Hercules	7	17 46.13	2,709	73 21 56.8	8,654	73
29963*	Hercules	8	17 46.46	2,709	73 21 37.6	8,654	81
29964	Hercules	9	17 57.52	2,352	59 16 0.0	8,639	167
29965	Draco.....	9½	17 58.65	0,121	22 15 27.0	8,638	356
29966	Ophiuchus....	6½	18 1.10	3,232	97 40 2.9	8,636	288
29967	Scorpio	6½	18 4.76	3,625	114 39 40.3	8,630	565
29968	Ophiuchus....	8	18 6.15	3,467	108 12 50.4	8,628	342
29969	Ophiuchus....	8½	18 11.03	3,109	91 51 12.3	8,621	347
29970	Ophiuchus....	9	18 12.01	3,175	94 59 30.2	8,620	292
29971	Hercules	9	18 12.65	2,284	56 55 56.9	8,619	77
29972	Ophiuchus....	7½	18 12.92	3,352	103 7 0.1	8,619	347
29973	Ophiuchus....	7½	18 13.06	3,351	103 6 56.6	8,619	346
29974	Hercules	7½	18 13.92	1,964	47 31 9.6	8,618	76
29975	Hercules	8½	18 14.19	2,489	64 18 41.5	8,617	169
29976	Hercules	9	18 15.19	1,801	43 35 46.0	8,616	352
29977	Hercules	5½	18 17.02	2,131	52 8 30.3	8,614	78
29978	Hercules	9	18 18.61	2,176	53 30 23.5	8,612	293
29979	Ophiuchus....	8	18 25.28	3,299	100 46 0.0	8,603	468
29980	Ophiuchus....	6	18 29.64	3,373	104 5 52.7	8,597	347
29981	Ophiuchus....	6	18 30.00	3,059	89 29 2.4	8,596	339
29982	Ophiuchus....	8½	18 32.86	3,175	94 59 48.1	8,592	292
29983	Hercules	8	18 33.43	2,299	57 27 32.9	8,592	70
29984	Hercules	7½	18 35.70	1,855	44 50 47.1	8,588	8
29985	Hercules	9	18 42.71	2,490	64 23 43.4	8,580	169
29986	Hercules	9	18 44.79	2,392	60 42 41.3	8,577	167
29987	Hercules	8½	18 46.89	2,589	68 19 10.2	8,574	468
29988	Ophiuchus....	6	18 47.06	3,298	100 40 37.5	8,574	468
29989	Hercules	8	18 53.16	1,943	47 0 57.0	8,567	165
29990	Hercules	8	18 53.72	1,943	47 0 56.1	8,565	8
29991	Hercules	8	18 57.75	2,959	84 44 58.5	8,561	89
29992	Ophiuchus....	8	18 57.89	3,055	89 17 40.0	8,560	339
29993	Hercules	7½	18 58.39	2,727	74 11 38.1	8,559	81
29994	Hercules	8½	18 59.76	2,886	81 21 15.7	8,557	86
29995	Hercules	8½	19 2.00	2,598	68 42 2.8	8,554	468
29996	Hercules	8	19 5.02	2,597	68 38 28.7	8,550	468
29997	Hercules	8	19 11.21	2,881	81 8 29.4	8,543	86
29998	Hercules	8½	19 12.37	2,733	74 25 52.3	8,541	81
29999	Hercules	9	19 14.56	1,824	44 9 41.8	8,538	352
30000	Ophiuchus....	9	16 19 15.04	+3,373	104 5 32.6	+8,537	347

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30001	Hercules	7½	16 19 17,90	+2,725	74 6 49,8	+8,533	81
30002	Draco.....	7½	19 28,81	1,477	37 14 54,1	8,519	356
30003	Hercules	9	19 29,08	2,295	57 22 52,2	8,517	70
30004	Draco.....	7	19 29,38	1,477	37 14 55,8	8,517	357
30005	Hercules	8	19 31,08	2,767	75 56 3,3	8,515	83
30006	Hercules	9	19 32,67	2,828	78 43 16,3	8,513	84
30007	Hercules	9	19 33,46	2,655	71 6 10,5	8,513	472
30008	Hercules	8½	19 33,50	2,655	71 6 13,9	8,513	73
30009	Hercules	9	19 34,52	2,116	51 46 42,3	8,511	78
30010	Hercules	7	19 38,06	2,007	48 43 45,1	8,507	76
30011	Hercules	8	19 38,21	2,488	64 20 56,0	8,506	169
30012	Ophiuchus....	8	19 39,22	3,011	87 12 54,8	8,506	91
30013	Hercules	7½	19 40,65	2,963	84 58 14,6	8,504	89
30014	Ophiuchus.. φ	4	19 42,43	3,421	106 9 54,2	8,501	470
30015	Ophiuchus....	6½	19 44,23	3,220	97 3 54,2	8,498	290
30016	Ophiuchus....	8	19 45,13	3,077	90 20 56,4	8,498	339
30017	Hercules	8½	19 46,11	2,452	63 0 11,8	8,496	79
30018	Ophiuchus....	7½	19 46,28	3,063	89 40 27,7	8,496	339
30019	Ophiuchus....	8	19 47,18	3,291	100 21 0,1	8,494	468
30020	Hercules	8	19 47,95	2,641	70 31 46,2	8,494	75
30021	Draco.....	7½	19 56,95	1,509	37 49 23,9	8,482	357
30022	Hercules	8½	19 57,21	2,833	78 57 24,4	8,482	84
30023	Hercules	8½	20 0,72	2,002	48 37 50,9	8,476	76
30024	Hercules	7	20 5,18	2,656	71 9 21,7	8,470	73
30025	Hercules	7	20 5,38	2,656	71 9 23,5	8,470	472
30026	Hercules	7	20 5,41	2,656	71 9 20,8	8,470	75
30027	Hercules	8	20 5,41	2,077	50 41 57,3	8,470	289
30028	Hercules	9	20 5,71	2,487	64 19 18,7	8,470	169
30029	Hercules	9	20 6,09	2,885	81 21 15,3	8,470	86
30030	Ophiuchus....	8	20 6,85	3,446	107 16 1,2	8,468	342
30031	Ophiuchus....	8½	20 14,63	3,138	93 13 54,4	8,458	347
30032	Hercules	9	20 16,50	2,366	59 52 53,7	8,456	167
30033	Ophiuchus.. ω	5	20 18,46	3,536	111 1 24,5	8,453	344
30034	Ophiuchus....	.	20 19,60	3,221	97 5 37,5	8,450	290
30035*	Hercules	7	20 21,73	2,277	56 50 39,7	8,448	77
30036	Ophiuchus....	8½	20 25,49	3,063	89 42 23,8	8,444	339
30037	Hercules	9	20 27,20	2,779	76 30 33,6	8,441	83
30038	Hercules	7	20 27,89	2,546	66 39 12,9	8,441	469
30039	Hercules	8	20 28,14	2,546	66 39 16,8	8,440	348
30040	Ophiuchus....	7	16 20 30,64	+3,229	97 28 23,8	+8,437	288

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30041	Hercules	7½	16 20 34.24	+2,382	60 28 24.2	+8,432	167
30042	Hercules	8	20 35.77	1,988	48 17 59.3	8,429	76
30043	Hercules	9	20 38.66	1,667	40 51 52.8	8,426	358
30044	Hercules	7	20 39.00	2,970	85 17 42.7	8,426	89
30045	Hercules	7½	20 39.28	2,970	85 17 48.9	8,426	91
30046	Ophiuchus	8½	20 40.00	3,519	110 18 33.0	8,425	344
30047	Hercules	8	20 42.36	1,839	44 35 31.2	8,422	352
30048	Ophiuchus.. λ	4	20 49.92	3,018	87 34 1.9	8,412	291
30049	Hercules	7½	20 51.49	1,702	41 35 43.1	8,410	353
30050	Hercules	8	20 58.94	2,527	65 55 10.8	8,401	469
30051	Ophiuchus	6½	21 1.14	3,327	101 59 16.6	8,397	346
30052	Hercules	7½	21 1.93	2,731	74 25 33.4	8,397	81
30053	Ophiuchus	7½	21 3.71	3,210	96 34 41.7	8,393	290
30054	Draco.....	.	21 12.47	0,468	25 1 48.4	8,382	355
30055	Ophiuchus	7	21 14.52	3,408	105 32 30.7	8,379	470
30056	Hercules	9	21 17.65	1,673	41 1 53.6	8,375	358
30057	Ophiuchus	8	21 22.02	3,108	91 49 0.8	8,369	347
30058	Ophiuchus	8	21 23.74	3,103	91 34 56.2	8,367	347
30059	Hercules	8	21 30.81	1,979	48 5 37.7	8,358	76
30060	Hercules	9	21 32.71	2,694	72 50 35.3	8,354	73
30061	Ophiuchus	7½	21 35.96	3,061	89 36 5.2	8,351	339
30062	Hercules .. β	3	21 37.27	2,580	68 3 50.8	8,349	469
30063	Hercules .. β	3	21 37.52	2,580	68 3 52.5	8,348	468
30064	Hercules .. β	3	21 37.65	2,580	68 3 51.1	8,348	348
30065	Hercules .. β	.	21 37.66	2,580	68 3 51.7	8,348	164
30066	Hercules .. β	3	21 38.09	2,580	68 3 53.6	8,348	474
30067	Hercules	8	21 38.77	2,580	68 3 52.9	8,347	169
30068	Hercules	9	21 43.82	2,041	49 46 27.9	8,341	289
30069	Scorpio	8½	21 47.74	3,607	113 51 1.3	8,335	473
30070	Hercules	7½	21 49.27	2,944	84 7 20.2	8,333	89
30071	Hercules	8½	21 50.54	1,901	46 9 36.9	8,332	165
30072	Hercules	9	21 51.67	1,901	46 9 40.5	8,330	8
30073	Hercules	7½	21 51.87	2,883	81 16 8.0	8,350	288
30074	Hercules	9	21 55.83	2,883	81 15 56.0	8,324	288
30075	Hercules	9	21 58.72	2,396	61 0 57.2	8,320	167
30076	Ophiuchus	7½	22 2.52	3,336	102 21 36.0	8,315	346
30077	Hercules	7½	22 4.82	2,989	86 12 0.9	8,312	91
30078	Ophiuchus	8½	22 5.41	3,056	89 21 29.5	8,312	339
30079	Hercules	8	22 19.14	2,792	77 8 26.6	8,292	83
30080	Hercules	8	16 22 22.53	+2,700	73 8 5.3	+8,289	73

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30081	Ophiuchus	7½	16 22 22,85	+3,331	102 7 27,0	+8,288	346
30082	Hercules	7½	22 22,94	2,700	73 8 10,1	8,288	81
30083	Hercules	7½	22 23,08	2,700	73 8 3,9	8,288	472
30084	Hercules	8½	22 23,14	2,814	78 8 11,1	8,287	84
30085	Hercules	6	22 23,45	2,858	80 8 42,3	8,287	86
30086	Hercules	9½	22 23,77	2,701	73 9 41,3	8,287	73
30087	Hercules	7½	22 25,58	2,196	54 21 13,3	8,285	293
30088	Hercules	9	22 28,45	2,136	52 31 26,5	8,281	78
30089	Hercules	•	22 33,07	2,252	56 8 38,0	8,275	77
30090	Ophiuchus	8	22 35,03	3,374	104 1 43,9	8,272	347
30091	Hercules	8	22 35,34	2,238	55 40 15,5	8,271	77
30092	Hercules	5½	22 39,66	2,561	67 21 50,7	8,266	469
30093	Hercules	9	22 39,80	2,337	58 58 45,5	8,266	70
30094	Hercules	9	22 40,01	2,337	58 58 51,7	8,265	167
30095	Hercules	7	22 40,03	2,561	67 21 51,2	8,265	348
30096	Hercules	9	22 41,04	2,419	61 53 45,4	8,264	79
30097	Hercules	6	22 45,61	2,942	84 2 27,6	8,258	89
30098	Ophiuchus	8	22 46,76	3,016	87 28 24,2	8,256	291
30099	Ophiuchus	7	22 52,30	3,151	93 49 24,8	8,249	292
30100	Draco	7	22 58,07	1,507	37 57 43,1	8,241	356
30101	Hercules	8	22 58,27	1,914	46 32 24,7	8,241	165
30102	Draco	7	22 58,49	1,507	37 57 40,6	8,241	357
30103	Ophiuchus	9	22 58,82	3,006	87 0 50,0	8,241	91
30104	Hercules	9	22 58,83	2,330	58 45 18,0	8,239	70
30105	Hercules	8	22 59,66	1,914	46 32 28,4	8,239	8
30106	Hercules	7	23 1,13	2,241	55 48 33,4	8,237	77
30107	Hercules	7½	23 9,24	2,326	58 37 8,8	8,226	70
30108	Ophiuchus	8	23 9,72	3,290	100 14 40,3	8,226	468
30109	Hercules	8	23 14,19	2,775	76 24 1,1	8,220	83
30110	Hercules	8	23 15,04	2,919	82 57 6,8	8,218	288
30111	Hercules	5½	23 15,30	2,812	78 4 19,6	8,218	84
30112	Ophiuchus	8½	23 17,60	3,463	107 52 17,6	8,214	342
30113	Hercules	9	23 17,76	2,920	83 1 23,9	8,214	288
30114	Ophiuchus	8½	23 18,78	3,087	90 50 16,0	8,213	339
30115	Ophiuchus	8	23 19,85	3,168	94 37 26,0	8,213	292
30116	Draco	8	23 21,72	1,063	31 18 30,1	8,210	355
30117	Hercules	9	23 25,01	1,645	40 34 46,4	8,205	358
30118	Ophiuchus	8	23 28,16	3,141	93 21 27,2	8,201	347
30119	Ophiuchus	9	23 28,26	3,086	90 45 15,8	8,201	339
30120	Hercules	•	16 23 30,78	+2,835	79 6 57,2	+8,198	86

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30121	Hercules	7½	16 23 30,89	+2,690	72 42 54,2	+8,198	472
30122	Draco.....	7	23 37,68	1,515	38 8 54,8	8,189	356
30123	Draco.....	7	23 38,05	1,515	38 8 53,3	8,189	357
30124	Hercules	8	23 39,05	2,117	53 1 55,5	8,187	78
30125	Draco.....	8	23 41,53	1,496	37 48 18,4	8,183	356
30126	Hercules	8	23 41,76	2,222	55 15 27,6	8,183	77
30127	Hercules	7½	23 42,05	2,002	48 49 38,5	8,183	76
30128	Draco.....	8	23 42,72	1,496	37 48 20,9	8,183	357
30129	Hercules	6½	23 43,41	2,193	54 20 2,8	8,181	293
30130	Ophiuchus....	7	23 44,67	3,235	97 43 1,8	8,179	288
30131	Hercules	8	23 46,52	2,363	59 57 27,2	8,177	167
30132	Ophiuchus....	8	23 47,88	3,192	95 42 16,5	8,176	290
30133	Hercules	7½	23 55,29	2,093	51 21 54,8	8,166	78
30134	Ophiuchus....	8½	23 55,77	3,416	105 50 15,1	8,164	470
30135	Hercules	7	24 0,57	2,247	56 2 54,2	8,158	77
30136	Hercules	7	24 5,16	2,837	79 11 48,8	8,153	84
30137	Hercules	7	24 5,29	2,837	79 11 54,1	8,153	86
30138	Hercules	8	24 5,31	2,534	66 20 6,0	8,152	469
30139	Hercules	8	24 10,24	2,466	63 43 3,5	8,145	169
30140	Hercules	7	24 17,46	2,536	66 24 21,1	8,136	469
30141	Hercules	8	24 17,94	1,890	46 1 3,6	8,136	165
30142	Hercules	8	24 18,93	1,890	46 1 4,0	8,134	8
30143	Hercules	7½	24 22,59	2,416	61 51 26,2	8,128	79
30144	Hercules	8	24 30,73	2,348	59 26 19,3	8,118	167
30145	Ophiuchus....	8½	24 33,41	3,231	97 30 26,9	8,116	288
30146	Hercules	7	24 35,27	2,769	76 10 20,3	8,112	83
30147	Hercules.....	8	24 36,18	2,666	71 44 14,4	8,112	73
30148	Hercules	8½	24 36,29	2,666	71 44 15,8	8,111	472
30149	Hercules	8	24 36,76	1,692	41 35 38,0	8,110	353
30150	Hercules	6	24 36,78	1,642	40 35 50,5	8,110	358
30151	Hercules	8	24 37,05	2,010	49 6 28,4	8,110	76
30152	Hercules	8½	24 39,45	2,345	59 21 9,2	8,106	167
30153	Hercules	8	24 40,97	2,461	63 31 40,1	8,104	169
30154	Hercules	7½	24 41,05	2,537	66 27 8,2	8,104	469
30155	Draco.....	7½	24 50,21	0,112	22 28 43,7	8,093	356
30156	Ophiuchus....	.	24 50,24	3,108	91 48 21,2	8,092	347
30157	Hercules	8	24 50,53	2,766	76 4 30,0	8,091	83
30158	Hercules	7	24 52,02	2,875	80 58 51,5	8,089	86
30159	Draco.....	8	24 55,36	1,058	31 19 8,8	8,085	355
30160	Hercules	9	16 24 59,08	+2,338	59 8 38,9	+8,081	167

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30161	Hercules	8	16 25 0,67	+2,491	64 42 57,1	+8,078	169
30162	Hercules	7½	25 0,89	1,944	47 24 6,5	8,078	76
30163	Hercules	8½	25 1,77	2,413	61 46 27,8	8,076	79
30164	Ophiuchus	8½	25 1,96	3,195	95 51 16,7	8,076	290
30165	Ophiuchus	8	25 4,54	3,380	104 12 55,4	8,073	347
30166	Ophiuchus	9	25 7,36	3,062	89 38 29,7	8,069	339
30167	Ophiuchus	8½	25 7,42	3,249	98 19 26,6	8,069	288
30168	Hercules	8½	25 8,50	2,871	80 48 27,1	8,067	86
30169	Ophiuchus	8½	25 13,75	3,001	86 47 24,5	8,061	91
30170	Hercules	8	25 22,33	2,942	84 3 20,5	8,050	89
30171	Hercules	8	25 26,64	2,324	58 39 50,8	8,042	70
30172	Ophiuchus	8½	25 30,46	3,438	106 44 12,0	8,038	470
30173	Hercules	8½	25 30,97	2,195	54 29 20,6	8,037	293
30174	Ophiuchus	7½	25 31,93	3,359	103 17 52,0	8,036	347
30175	Ophiuchus	7½	25 32,25	3,359	103 17 52,4	8,036	346
30176	Hercules	8½	25 38,56	2,682	72 27 23,8	8,027	73
30177	Hercules	9	25 38,85	2,682	72 27 29,6	8,028	473
30178	Ophiuchus	7	25 39,56	3,251	98 25 55,8	8,026	288
30179	Hercules	6½	25 41,66	2,335	59 4 16,0	8,024	70
30180	Hercules	7	25 41,95	2,335	59 4 21,5	8,023	167
30181	Ophiuchus	7½	25 42,32	3,069	89 59 30,5	8,023	339
30182	Hercules	9	25 42,84	2,726	74 19 45,1	8,023	81
30183	Hercules	8½	25 43,00	2,874	80 55 29,0	8,023	86
30184	Ophiuchus	9½	25 43,43	3,035	88 21 55,7	8,021	291
30185	Hercules	8	25 43,44	1,857	45 18 15,4	8,021	165
30186	Hercules	9	25 44,34	2,685	72 34 44,7	8,021	473
30187	Hercules	6	25 46,08	1,798	43 58 21,5	8,017	352
30188	Hercules	8	25 46,76	2,932	83 35 6,4	8,017	89
30189	Hercules	8½	25 47,48	2,870	80 44 36,8	8,015	86
30190	Hercules	7½	25 47,69	2,021	49 27 26,5	8,015	289
30191	Ophiuchus	6	25 51,86	3,110	91 53 4,3	8,010	347
30192	Hercules	9	25 56,12	2,347	59 29 56,9	8,004	167
30193	Ophiuchus	7½	25 57,33	3,031	88 11 32,1	8,002	291
30194	Hercules	8	26 0,80	2,939	83 54 36,8	7,998	89
30195	Hercules	8	26 2,70	2,468	63 52 1,9	7,995	169
30196	Ophiuchus	8½	26 3,26	3,252	98 27 47,9	7,995	288
30197	Ophiuchus	8½	26 8,57	3,431	106 25 55,3	7,987	470
30198	Ophiuchus... ζ	3	26 9,61	3,289	100 8 58,7	7,986	468
30199	Draco.....	9½	26 9,87	1,523	38 25 43,0	7,986	356
30200	Draco.....	9	16 26 10,07	+1,523	38 25 41,5	+7,986	357

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30201	Hercules	8	16 26 11,72	+2,181	54 4 37.7	+7,984	293
30202	Hercules	8	26 12,81	2,094	51 30 1,6	7,982	78
30203	Hercules	9	26 14,82	2,729	74 30 5,0	7,979	81
30204	Ophiuchus	8	26 14,94	3,181	95 9 39,7	7,979	292
30205	Hercules	8	26 15,60	2,489	64 41 18,6	7,979	169
30206	Hercules	8	26 16,47	2,570	67 50 10,8	7,977	468
30207	Ophiuchus	8	26 21,77	3,577	112 28 23,6	7,969	473
30208	Ophiuchus	8	26 24,69	3,318	101 26 59,6	7,966	346
30209	Hercules	7½	26 28,17	2,682	72 28 34,5	7,962	473
30210	Hercules	6½	26 28,32	2,683	72 31 12,5	7,962	73
30211	Hercules	6½	26 28,32	2,683	72 31 10,5	7,962	473
30212	Hercules	7	26 28,48	2,682	72 28 32,4	7,962	73
30213	Ophiuchus	8½	26 29,49	3,609	113 42 55,1	7,959	565
30214	Ophiuchus	9	26 33,28	3,017	87 32 45,5	7,954	291
30215	Ophiuchus	8½	26 35,02	3,118	92 14 31,1	7,952	347
30216	Hercules	8	26 35,66	2,225	55 28 8,3	7,950	77
30217	Ophiuchus	8½	26 36,52	3,118	92 13 55,1	7,950	347
30218	Scorpio	7½	26 40,24	3,765	119 30 38,6	7,945	568
30219	Hercules	7	26 43,49	2,092	51 29 14,4	7,941	78
30220	Hercules	7½	26 48,16	2,473	64 5 45,8	7,934	169
30221	Hercules	9	26 53,27	2,531	66 18 47,7	7,927	469
30222	Ophiuchus	6½	26 53,59	3,464	107 48 16,7	7,927	342
30223	Hercules	8½	26 56,17	2,967	85 13 8,9	7,923	91
30224	Hercules	8½	26 56,33	2,695	73 2 20,1	7,923	473
30225	Ophiuchus	7	26 56,70	3,479	108 24 38,6	7,923	342
30226	Ophiuchus	8½	26 59,89	3,382	104 15 47,4	7,918	347
30227	Ophiuchus	9	27 1,81	3,016	87 31 23,3	7,916	291
30228	Hercules	7½	27 5,10	2,940	83 59 20,5	7,912	339
30229	Hercules	7	27 9,20	2,907	82 28 26,9	7,905	288
30230	Hercules	8½	27 15,94	2,863	80 26 57,6	7,898	86
30231	Hercules	8	27 19,20	2,828	78 51 45,9	7,893	84
30232	Ophiuchus	6	27 19,43	3,202	96 7 24,0	7,893	290
30233	Hercules	9	27 24,43	2,435	62 42 31,7	7,884	79
30234	Hercules	8	27 30,39	2,251	56 21 47,7	7,877	77
30235	Ophiuchus	7½	27 35,15	3,060	89 32 2,1	7,871	339
30236	Hercules	8	27 35,46	2,094	51 34 50,0	7,870	78
30237	Draco	8	27 39,09	0,406	24 47 20,0	7,866	386
30238	Hercules .. σ	4½	27 39,43	1,928	47 8 37,1	7,865	76
30239	Hercules .. σ	4	27 39,96	1,928	47 8 33,2	7,865	165
30240	Scorpio	7½	16 27 40,60	+3,738	118 31 52,4	+7,864	568

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30241	Draco.....	7½	16 27 40,70	+1,574	39 25 52,2	+7,863	358
30242	Draco.....	8	27 41,24	1,080	31 43 57,9	7,863	355
30243	Hercules	7	27 43,27	2,947	84 18 25,8	7,859	89
30244*	Hercules	8	27 43,70	2,407	61 42 29,5	7,859	79
30245	Hercules	9½	27 43,76	2,330	58 58 41,9	7,859	70
30246	Hercules	6½	27 48,69	2,742	75 6 30,1	7,853	81
30247	Hercules	7	27 49,13	2,742	75 6 32,4	7,853	83
30248	Scorpio	7½	27 50,82	3,661	115 39 1,8	7,850	565
30249	Scorpio	8	27 50,91	3,661	115 39 9,9	7,850	567
30250	Draco.....	7	27 54,10	0,101	22 31 12,2	7,845	356
30251	Scorpio	8½	27 54,40	3,671	116 2 36,3	7,845	565
30252	Draco.....	8	27 56,17	1,085	31 48 25,9	7,843	355
30253	Draco.....	9½	27 56,29	0,395	24 42 54,6	7,843	386
30254	Scorpio	8½	27 56,37	3,668	115 54 45,9	7,843	567
30255	Scorpio	8	27 56,46	3,668	115 54 44,8	7,843	565
30256	Ophiuchus	6	27 56,66	3,247	98 12 21,6	7,842	288
30257	Hercules	8½	27 56,88	2,953	84 35 14,2	7,841	89
30258	Ophiuchus	8	27 58,04	3,113	92 0 51,3	7,840	347
30259	Ophiuchus	8	28 1,18	3,283	99 51 7,3	7,836	468
30260	Hercules	8½	28 1,53	2,354	59 50 8,3	7,836	167
30261	Ophiuchus	8½	28 3,33	3,330	101 55 27,4	7,833	346
30262	Ophiuchus	9	28 8,89	3,032	88 15 31,6	7,825	291
30263	Hercules	8	28 18,20	2,502	65 15 15,4	7,813	169
30264	Ophiuchus	8½	28 20,97	3,428	106 12 14,9	7,809	470
30265	Hercules	6	28 23,46	2,539	66 42 28,1	7,807	469
30266	Hercules	8	28 23,54	2,539	66 42 36,8	7,806	468
30267	Hercules	8	28 24,01	2,855	80 6 28,5	7,805	86
30268	Hercules	8	28 27,43	2,100	51 48 30,7	7,802	78
30269	Hercules	6	28 35,35	2,760	75 53 48,0	7,791	83
30270	Hercules	9	28 39,57	2,158	53 30 59,7	7,784	293
30271	Hercules	7	28 41,44	2,318	58 36 59,0	7,782	70
30272	Hercules	9	28 41,88	2,692	72 57 17,1	7,782	73
30273	Ophiuchus	7½	28 43,48	3,268	99 8 18,6	7,779	288
30274	Ophiuchus	7	28 43,79	3,268	99 8 20,2	7,778	468
30275	Ophiuchus	9	28 47,11	3,006	87 1 53,5	7,775	91
30276	Ophiuchus	6	28 48,05	3,519	110 1 17,8	7,773	344
30277	Ophiuchus	7½	28 49,51	3,223	97 6 13,7	7,771	290
30278	Hercules	7	28 56,68	2,231	55 45 53,4	7,762	77
30279	Ophiuchus	7½	28 58,62	3,128	92 41 56,8	7,759	347
30280	Hercules	7½	16 28 59,12	+2,612	70 1 55,2	+7,759	75

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30281	Hercules	9	16 28 59.38	+2,016	49 26 19.4	+7,758	289
30282	Draco.....	7½	29 2.40	1,525	38 36 39.4	7,754	357
30283	Ophiuchus	8	29 3.22	3,139	93 12 44.1	7,753	347
30284	Hercules	8	29 3.58	2,546	67 0 36.6	7,752	469
30285	Hercules	8½	29 4.46	2,544	66 55 46.0	7,751	468
30286	Draco.....	7½	29 6.16	1,453	37 20 31.7	7,749	356
30287	Hercules	7	29 6.41	2,550	67 8 34.4	7,749	468
30288	Hercules	6½	29 6.45	2,550	67 8 34.8	7,749	469
30289	Draco.....	6	29 6.59	1,415	37 20 36.2	7,749	357
30290	Hercules	7½	29 6.97	2,550	67 8 37.7	7,749	474
30291	Hercules	9	29 9.05	1,990	48 47 41.1	7,745	76
30292	Hercules	9	29 10.88	2,952	84 33 29.5	7,743	89
30293	Hercules	7½	29 12.01	1,985	48 41 1.0	7,741	76
30294	Scorpio	6½	29 12.19	3,709	117 24 23.7	7,741	568
30295	Ophiuchus	9	29 12.67	3,591	112 55 16.5	7,741	473
30296	Hercules	7½	29 12.73	2,783	76 55 48.1	7,741	83
30297	Hercules	7½	29 13.31	2,783	76 55 52.1	7,739	84
30298	Hercules	7	29 13.78	2,734	74 47 43.0	7,739	81
30299	Hercules	7½	29 19.84	2,158	53 32 42.6	7,731	293
30300	Scorpio	8½	29 20.31	3,619	114 0 1.6	7,730	565
30301	Scorpio	6½	29 20.86	3,709	117 24 16.7	7,729	567
30302	Hercules	8½	29 24.54	2,988	86 12 9.6	7,725	91
30303	Hercules	9	29 28.95	2,345	59 34 49.4	7,718	167
30304	Scorpio	6½	29 30.04	3,621	114 4 0.2	7,717	565
30305	Hercules	9	29 33.29	2,734	74 47 27.8	7,712	81
30306	Hercules	9½	29 33.38	1,657	41 9 23.2	7,712	358
30307	Hercules	7	29 39.35	2,442	63 2 52.9	7,703	79
30308	Ophiuchus	7	29 42.93	3,463	107 39 17.3	7,699	342
30309	Hercules	8½	29 45.84	2,125	52 35 41.9	7,695	78
30310	Hercules	8	29 52.93	2,619	69 58 21.6	7,686	75
30311	Hercules	9	29 57.19	2,675	72 18 8.9	7,681	473
30312	Hercules	7	29 57.33	2,435	62 49 19.6	7,681	79
30313	Ophiuchus	5½	30 1.10	3,456	107 20 28.2	7,676	342
30314	Ophiuchus	7	30 2.19	3,320	101 26 11.1	7,674	346
30315	Ophiuchus	8½	30 4.21	3,436	106 32 0.6	7,671	470
30316	Hercules	8	30 4.34	2,774	76 33 14.2	7,670	83
30317	Ophiuchus	6½	30 6.90	3,241	97 54 31.0	7,667	288
30318	Hercules	8	30 7.75	2,728	74 32 10.3	7,667	81
30319	Hercules	7½	30 9.20	2,387	61 5 48.7	7,664	167
30320	Hercules	8	16 30 9.34	+2,975	85 36 42.2	+7,664	91

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30321	Ophiuchus	5½	16 30 9,80	+3,508	109 31 39,8	+7,663	344
30322	Hercules	8	30 9,98	2,598	69 7 37,4	7,663	468
30323	Hercules	8½	30 13,41	2,092	51 39 45,7	7,658	78
30324	Hercules	8½	30 15,78	2,791	77 18 2,2	7,656	84
30325	Hercules	8	30 16,47	2,869	80 46 22,7	7,654	86
30326	Hercules	7	30 21,91	1,743	42 58 33,0	7,647	353
30327	Hercules	7½	30 23,88	2,107	52 5 56,1	7,643	78
30328	Hercules	8	30 25,24	2,367	60 22 53,0	7,642	167
30329	Ophiuchus	9	30 26,64	3,319	101 22 57,7	7,640	346
30330	Ophiuchus	8½	30 30,72	3,512	109 39 56,7	7,635	344
30331	Ophiuchus	8	30 31,23	3,515	109 47 12,8	7,634	344
30332	Hercules	9	30 32,01	2,595	68 58 56,0	7,633	468
30333	Hercules	9	30 32,81	2,353	59 54 37,4	7,632	167
30334	Ophiuchus	8	30 39,22	3,514	109 45 54,5	7,624	344
30335	Hercules .. m ¹	7½	30 39,73	2,970	85 23 31,3	7,623	89
30336	Hercules .. m ¹	7	30 39,96	2,970	85 23 29,5	7,623	91
30337	Hercules	6½	30 42,74	2,427	62 32 38,9	7,619	79
30338	Ophiuchus	7	30 42,89	3,122	92 25 54,0	7,619	347
30339	Hercules .. m ²	6½	30 43,37	2,970	85 22 39,3	7,619	89
30340	Hercules .. m ²	6	30 43,45	2,970	85 22 37,5	7,617	91
30341	Hercules	7½	30 45,79	2,554	67 22 33,9	7,615	474
30342	Hercules	7½	30 47,48	2,490	64 53 36,0	7,612	169
30343	Ophiuchus	9	30 48,16	3,439	106 37 43,2	7,612	470
30344	Hercules	6½	30 49,53	2,559	67 35 11,1	7,610	474
30345	Ophiuchus	7½	30 50,02	3,152	93 49 2,0	7,608	292
30346	Ophiuchus	6	30 53,23	3,083	90 36 1,1	7,605	339
30347	Hercules	8	30 55,50	2,686	72 46 18,7	7,602	73
30348	Hercules	8	30 55,83	2,686	72 46 19,4	7,602	473
30349	Hercules	8	31 7,61	2,534	66 35 41,6	7,586	469
30350	Hercules	8½	31 8,28	2,237	56 4 41,6	7,584	77
30351	Ophiuchus	6½	31 8,35	3,034	88 21 16,1	7,584	291
30352	Hercules	8½	31 9,11	2,534	66 35 41,6	7,583	469
30353	Hercules	7½	31 13,44	1,875	46 1 40,5	7,577	165
30354	Hercules	9	31 14,33	2,245	56 19 41,9	7,577	77
30355	Hercules	8	31 14,37	1,923	47 12 4,6	7,575	76
30356	Hercules	8	31 16,82	2,528	66 23 20,3	7,572	469
30357	Hercules	6½	31 17,25	2,031	50 0 50,4	7,571	289
30358	Hercules	7½	31 17,86	2,665	71 53 30,3	7,571	73
30359	Hercules	7	31 18,11	2,665	71 53 30,2	7,569	473
30360	Hercules	9	16 31 20,88	+1,917	47 4 4,4	+7,567	76

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			h m s	s	° ' "	"	
30361	Hercules	8½	16 31 21,70	+2,536	66° 41' 47,8	+7,566	469
30362	Ophiuchus	7½	31 24,96	3,107	91 43 23,1	7,562	347
30363	Ophiuchus	8	31 24,97	3,107	91 44 52,2	7,562	347
30364	Hercules	8	31 26,84	2,116	52 23 36,8	7,560	78
30365	Draco	6	31 27,88	1,407	36 41 32,4	7,558	354
30366	Draco	5½	31 30,59	1,406	36 40 3,4	7,554	354
30367	Hercules	8	31 31,80	2,352	59 55 27,0	7,552	167
30368	Scorpio	7	31 32,01	3,685	116 24 41,0	7,552	567
30369	Ophiuchus	7	31 32,85	3,305	100 46 38,7	7,552	468
30370	Ophiuchus	7½	31 32,88	3,305	100 46 42,2	7,551	472
30371	Hercules	6	31 32,97	2,788	77 12 22,3	7,551	83
30372	Hercules	6	31 33,49	2,788	77 12 25,5	7,551	84
30373	Ophiuchus	6	31 35,43	3,036	81 25 29,2	7,548	291
30374	Hercules	7	31 37,75	2,955	84 43 46,7	7,544	89
30375	Hercules	9	31 38,53	2,863	80 30 42,7	7,544	86
30376	Ophiuchus	9	31 38,66	3,076	90 17 54,2	7,544	339
30377	Hercules	9	31 41,47	2,240	56 9 23,4	7,539	77
30378	Ophiuchus	8	31 41,87	3,579	112 20 34,2	7,539	473
30379*	Scorpio	7	31 43,78	3,703	117 3 58,6	7,536	568
30380	Ophiuchus	8½	31 48,01	3,108	91 46 0,1	7,531	347
30381	Ophiuchus	7½	31 50,03	3,530	110 23 15,2	7,528	344
30382	Draco	7½	31 55,06	1,445	37 20 19,9	7,521	357
30383	Ophiuchus	8	31 58,93	3,034	88 21 43,0	7,516	291
30384	Ophiuchus	8	32 3,03	3,371	103 38 21,7	7,510	347
30385	Draco	7½	32 3,80	1,070	31 48 33,5	7,509	355
30386	Hercules	8½	32 5,71	1,880	46 12 8,3	7,507	165
30387	Draco	8	32 8,80	0,123	22 49 42,0	7,502	356
30388	Draco	9	32 9,70	0,843	29 7 26,2	7,501	355
30389	Ophiuchus	7½	32 11,51	3,108	91 46 50,1	7,499	347
30390	Hercules	7½	32 20,85	2,702	73 29 43,8	7,487	81
30391	Ophiuchus	8	32 20,90	3,577	112 7 57,1	7,487	473
30392	Hercules	8	32 24,89	2,560	67 39 23,0	7,481	474
30393	Scorpio	9	32 26,53	3,704	117 4 1,6	7,478	568
30394	Ophiuchus	7½	32 27,19	3,476	108 9 5,2	7,477	342
30395	Hercules	8	32 27,66	2,539	66 50 10,9	7,476	469
30396	Hercules	9	32 28,37	2,796	77 34 52,5	7,476	84
30397	Hercules	8	32 29,77	2,171	54 5 10,2	7,474	293
30398	Scorpio	6½	32 30,94	3,733	118 7 25,4	7,473	568
30399	Ophiuchus	9½	32 31,77	3,371	103 38 41,6	7,471	347
30400	Hercules	8	16 32 35,32	+2,770	76 26 31,8	+7,466	83

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30401	Hercules	7½	16 32 37.84	+2,706	73 39 10.9	+7.463	81
30402	Hercules	8½	32 38.63	2,346	59 44 42.4	7.462	167
30403	Ophiuchus	8	32 38.91	3,060	89 31 58.2	7.461	339
30404	Hercules	8½	32 40.55	1,748	43 12 23.0	7.459	353
30405	Ophiuchus	7½	32 40.77	3,151	93 45 26.4	7.459	292
30406	Ophiuchus	8	32 43.60	3,238	97 43 39.7	7.456	288
30407	Hercules	6	32 43.62	2,484	64 44 41.1	7.456	169
30408	Hercules	7	32 45.08	2,635	70 41 7.1	7.454	75
30409	Hercules	8	32 47.68	2,372	60 41 17.3	7.451	167
30410	Hercules	6½	32 48.47	2,547	67 9 43.4	7.449	469
30411	Hercules ....	.	32 53.36	2,698	73 19 18.3	7.442	81
30412	Hercules	8½	32 54.85	2,102	52 5 9.8	7.440	78
30413	Draco.....	9	33 1.37	0,122	22 51 10.2	7.432	356
30414	Scorpio	8½	33 2.50	3,743	118 27 19.3	7.430	568
30415	Hercules	8	33 4.36	2,641	70 58 38.4	7.427	75
30416	Ophiuchus	7½	33 4.46	2,986	86 9 19.8	7.427	91
30417	Hercules	8½	33 6.62	2,773	76 33 51.8	7.425	83
30418	Ophiuchus	7	33 8.07	3,592	112 47 50.2	7.422	474
30419	Hercules	8	33 12.83	2,107	52 14 49.8	7.416	78
30420	Hercules	8	33 14.51	1,852	45 34 39.2	7.413	165
30421	Ophiuchus	8½	33 20.40	3,331	101 53 17.6	7.405	346
30422	Hercules	9	33 23.92	2,861	80 28 45.7	7.401	86
30423	Ophiuchus	7	33 25.62	3,078	90 23 46.2	7.398	339
30424	Ophiuchus	8½	33 25.78	3,373	103 41 35.8	7.398	347
30425	Hercules	9	33 27.36	2,336	59 27 28.7	7.396	167
30426	Scorpio	7½	33 29.65	3,683	116 15 51.0	7.393	567
30427	Hercules	6	33 29.87	2,428	62 41 15.6	7.393	169
30428*	Hercules	5½	33 29.93	2,414	62 11 17.1	7.393	79
30429	Hercules	8½	33 32.85	2,644	71 6 34.4	7.389	75
30430	Hercules	7	33 33.10	2,561	67 45 7.0	7.388	474
30431	Hercules	8	33 35.38	2,332	59 19 52.6	7.385	167
30432	Hercules	8½	33 39.85	2,677	72 29 7.7	7.379	473
30433	Hercules .. ζ	3	33 44.62	2,293	58 1 37.6	7.372	293
30434	Hercules .. ζ	3	33 44.86	2,293	58 1 40.8	7.372	70
30435	Hercules .. ζ	.	33 45.26	2,293	58 1 38.2	7.372	163
30436	Ophiuchus	7	33 49.39	3,492	108 45 9.9	7.366	342
30437	Hercules	7½	33 51.26	2,314	58 43 53.5	7.364	70
30438	Hercules	9	33 51.50	2,568	68 1 2.3	7.364	474
30439	Hercules	7½	33 54.30	2,917	82 59 33.1	7.360	288
30440	Draco.....	7½	16 33 56.10	+1,521	38 46 26.1	+7.357	356

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			h m s	s	° ' "	"	
30441	Draco.....	7½	16 33 56,68	+1,521	38 46 30,5	+7,357	357
30442	Hercules	8	33 58,60	2,776	76 43 56,5	7,353	83
30443	Ophiuchus	7	34 1,46	3,073	90 10 12,5	7,350	339
30444	Hercules	9	34 1,86	2,327	59 11 13,2	7,349	167
30445	Ophiuchus	8	34 3,12	3,129	92 44 27,2	7,348	347
30446	Hercules	6½	34 4,67	1,625	40 44 9,2	7,345	358
30447	Hercules	7½	34 11,28	2,514	65 56 40,1	7,336	469
30448	Hercules	9	34 11,53	2,566	67 57 17,1	7,336	474
30449	Hercules	7½	34 15,30	2,787	77 11 46,2	7,331	84
30450	Hercules	7½	34 15,97	1,927	47 27 34,5	7,330	76
30451	Hercules	4½	34 19,00	1,621	40 40 28,0	7,326	358
30452	Hercules	8	34 19,64	2,198	55 1 5,6	7,325	293
30453	Ophiuchus	8½	34 20,50	3,295	100 16 49,3	7,325	472
30454	Hercules	7½	34 22,17	2,567	68 53 53,2	7,321	474
30455	Hercules	8	34 25,77	2,863	80 35 32,4	7,316	86
30456	Hercules	9	34 29,11	2,775	76 41 48,3	7,313	83
30457	Hercules ....	.	34 32,36	2,246	56 30 43,3	7,309	77
30458	Hercules	7½	34 32,62	1,914	47 8 46,1	7,309	76
30459	Ophiuchus	8½	34 33,01	3,301	100 32 34,2	7,307	472
30460.	Hercules	8½	34 33,28	1,914	47 8 37,1	7,307	165
30461	Ophiuchus	8	34 33,75	3,356	102 57 45,1	7,307	347
30462	Scorpio	6½	34 37,79	3,654	115 8 59,5	7,301	565
30463	Scorpio	6½	34 38,38	3,654	115 8 58,2	7,300	567
30464	Ophiuchus	7½	34 39,24	3,011	87 17 0,2	7,298	91
30465	Ophiuchus	7½	34 39,26	3,011	87 16 55,0	7,298	291
30466	Ophiuchus	9	34 42,68	3,450	106 57 57,8	7,294	470
30467	Hercules	8	34 43,09	2,455	63 45 22,1	7,293	169
30468	Ophiuchus	7½	34 43,16	3,075	90 13 54,6	7,293	339
30469	Ophiuchus	7	34 44,18	3,126	92 34 6,6	7,292	347
30470	Hercules	9	34 45,92	2,963	85 7 22,9	7,290	89
30471	Ophiuchus	8	34 52,03	3,149	93 39 25,6	7,281	292
30472	Hercules	8½	34 54,23	2,865	80 40 13,4	7,278	86
30473	Ophiuchus	7½	34 55,50	3,083	90 36 43,4	7,276	339
30474	Ophiuchus	8	34 57,90	3,456	107 12 41,2	7,273	470
30475	Ophiuchus	8	34 58,30	3,456	107 12 41,7	7,273	342
30476	Hercules	9	35 1,95	2,970	85 24 35,5	7,268	91
30477	Hercules	8½	35 6,00	2,567	68 1 19,1	7,263	474
30478	Hercules	8	35 10,87	2,289	57 57 56,1	7,256	70
30479	Ophiuchus	8	35 10,97	3,517	109 43 8,7	7,255	344
30480	Hercules	6½	16 35 15,94	+2,928	83 30 58,8	+7,249	288

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30481	Hercules	7	16 35 16,21	+2,928	83 30 58,9	+7,247	89
30482	Hercules	8½	35 18,75	2,790	77 22 49,9	7,244	84
30483	Ophiuchus	6	35 19,94	3,039	88 36 0,7	7,243	291
30484*	Hercules	8	35 24,37	2,690	73 5 4,7	7,238	81
30485	Ophiuchus	7½	35 28,21	3,078	90 22 54,8	7,231	339
30486	Hercules	9	35 28,83	2,780	76 54 49,0	7,231	83
30487	Draco.....	8	35 33,47	0,766	28 26 2,7	7,224	355
30488	Ophiuchus	8	35 34,27	3,357	102 57 44,7	7,224	346
30489	Hercules	8	35 35,74	1,963	48 25 10,8	7,221	76
30490	Hercules	8	35 36,17	2,368	60 38 51,0	7,221	167
30491	Hercules	8½	35 36,84	2,641	71 2 48,2	7,221	75
30492	Ophiuchus	8	35 41,03	3,615	113 35 55,4	7,214	474
30493	Ophiuchus	7½	35 41,06	3,615	113 35 59,3	7,214	565
30494	Hercules	8½	35 41,66	2,444	63 23 5,4	7,214	169
30495	Ophiuchus	8½	35 44,94	3,040	88 38 0,6	7,209	291
30496	Hercules	6½	35 46,47	2,517	66 6 3,4	7,207	469
30497	Hercules	8½	35 47,64	2,678	72 34 33,6	7,205	473
30498	Ophiuchus	9	35 53,82	3,307	100 45 55,0	7,197	472
30499	Hercules	8	35 55,14	2,449	63 33 26,5	7,195	169
30500	Hercules	7½	35 56,02	2,133	53 6 21,3	7,194	78
30501	Ophiuchus	7	36 1,81	2,973	85 34 51,3	7,186	91
30502	Hercules .. η	3½	36 2,53	2,047	50 41 19,9	7,185	10
30503	Hercules .. η	3	36 2,59	2,047	50 41 18,9	7,185	289
30504	Hercules	8½	36 2,80	2,047	50 41 18,8	7,185	165
30505	Hercules	8	36 3,06	2,388	61 22 36,0	7,185	79
30506	Ophiuchus	9	36 3,09	3,512	109 30 0,9	7,185	344
30507	Hercules .. η	3½	36 3,57	2,047	50 41 20,9	7,184	293
30508	Ophiuchus	8	36 4,33	3,091	90 58 49,3	7,183	339
30509	Ophiuchus	7½	36 5,48	3,630	114 9 16,7	7,181	565
30510	Hercules	8	36 6,68	2,508	65 49 6,9	7,180	469
30511	Ophiuchus	8	36 10,62	3,131	92 49 7,0	7,174	347
30512	Hercules .. ι	5	36 14,30	2,873	81 2 27,2	7,169	86
30513	Hercules	•	36 19,22	2,708	73 52 24,4	7,163	81
30514	Ophiuchus	8	36 21,07	2,977	85 46 20,7	7,160	91
30515	Ophiuchus	9	36 23,37	3,539	110 34 17,0	7,157	344
30516	Hercules	9	36 27,87	2,955	84 44 19,5	7,152	89
30517	Hercules	5	36 29,58	2,214	55 35 1,4	7,148	77
30518	Hercules	8½	36 30,72	2,136	53 14 16,0	7,147	78
30519	Ophiuchus	8	36 33,23	3,011	87 18 27,5	7,143	291
30520	Hercules	8½	16 36 34,44	+2,617	70 6 35,6	+7,142	75

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30521	Ophiuchus	7½	16 36 35,22	+3,418	105 35 20,1	+7,141	470
30522*	Ophiuchus	36 36,84	3,129	92 43 21,8	7,138	347
30523	Draco	9	36 38,75	1,029	31 29 28,3	7,137	355
30524	Hercules	9	36 38,90	2,282	57 47 44,1	7,136	70
30525	Hercules	6½	36 41,70	2,511	65 54 12,0	7,132	469
30526	Hercules	8½	36 47,27	1,904	47 0 19,0	7,124	165
30527	Hercules	6	36 49,78	3,016	87 33 46,0	7,120	291
30528	Ophiuchus	8	36 52,30	3,498	108 53 58,5	7,117	342
30529	Ophiuchus	8	36 52,32	3,404	104 59 21,3	7,117	347
30530	Hercules	9	36 54,08	2,776	76 46 8,2	7,115	83
30531	Hercules	8	37 0,96	2,488	65 2 22,5	7,106	169
30532	Hercules	8	37 1,60	2,614	69 59 5,1	7,106	75
30533	Ophiuchus	9	37 1,73	3,517	109 41 44,2	7,105	344
30534	Ophiuchus	7½	37 2,38	3,427	105 57 4,1	7,104	470
30535	Ophiuchus	7½	37 4,52	3,013	87 23 12,6	7,101	291
30536	Ophiuchus	6	37 6,64	3,394	104 32 22,3	7,098	347
30537	Hercules	8½	37 7,20	2,352	60 9 39,9	7,097	167
30538	Hercules	7	37 7,26	2,384	61 16 4,3	7,097	79
30539	Hercules	7½	37 7,57	2,384	61 16 3,6	7,096	167
30540	Draco	7	37 10,55	1,562	39 40 30,8	7,092	358
30541	Hercules	8½	37 12,41	2,258	57 1 53,5	7,091	77
30542	Ophiuchus	8½	37 19,56	3,014	87 28 7,7	7,081	291
30543	Hercules	8	37 22,39	2,658	71 47 11,4	7,076	473
30544	Ophiuchus	8	37 22,78	3,645	114 42 18,9	7,076	565
30545	Draco	10	37 24,37	0,644	27 17 29,8	7,073	355
30546	Hercules	9	37 31,87	2,286	57 57 4,4	7,063	70
30547	Ophiuchus	9	37 33,88	3,498	108 53 22,3	7,060	342
30548	Hercules	8	37 34,41	1,940	47 56 23,4	7,060	76
30549	Ophiuchus	7	37 34,85	3,634	114 16 28,1	7,059	565
30550	Hercules	8½	37 37,75	1,907	47 6 43,7	7,055	165
30551	Ophiuchus	8	37 40,36	3,562	111 29 9,1	7,052	474
30552	Hercules	9½	37 41,88	2,661	71 56 37,6	7,050	473
30553	Hercules	8	37 43,55	2,604	69 36 18,4	7,047	75
30554	Hercules	8½	37 44,27	1,899	46 55 18,4	7,047	165
30555	Ophiuchus	8	37 50,03	3,490	108 33 44,1	7,039	342
30556	Scorpio	7½	37 50,45	3,691	116 22 44,7	7,038	567
30557	Hercules	7½	37 54,78	2,771	76 35 56,5	7,033	83
30558	Hercules	9	37 55,80	2,335	59 37 14,0	7,031	167
30559	Hercules . . .	5½	37 56,08	2,946	84 22 54,1	7,031	89
30560	Hercules . . .	6	16 37 56,46	+2,946	84 22 57,8	+7,029	288

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30561	Hercules	9	16 37 59,30	+2,336	59 38 3,9	+7,025	167
30562	Hercules	8½	38 1,60	2,655	71 40 53,1	7,023	473
30563	Ophiuchus	6½	38 3,40	3,413	105 18 18,4	7,021	470
30564	Ophiuchus	8	38 6,80	3,258	98 33 42,4	7,017	288
30565	Hercules	9	38 10,91	2,583	68 46 43,7	7,009	474
30566	Hercules	8	38 13,63	2,756	75 58 2,1	7,006	83
30567	Hercules	9	38 14,90	2,655	71 41 38,1	7,004	473
30568	Ophiuchus	6½	38 17,48	3,160	94 8 43,2	7,001	292
30569	Draco.....	9	38 17,88	1,098	32 26 14,4	7,000	355
30570	Ophiuchus	8	38 18,19	3,002	86 53 33,8	7,000	91
30571	Hercules	8	38 23,22	1,975	48 52 45,0	6,993	76
30572	Hercules	9	38 28,34	2,065	51 16 53,1	6,985	78
30573	Hercules	8	38 28,44	2,866	80 47 42,8	6,985	86
30574	Hercules	7½	38 28,66	1,980	48 59 29,1	6,985	76
30575	Hercules	9	38 32,77	1,743	43 22 21,5	6,980	353
30576	Hercules	7½	38 34,98	2,159	53 59 56,3	6,977	293
30577	Ophiuchus	9	38 39,51	3,407	105 4 4,2	6,971	470
30578	Hercules	8½	38 39,54	2,422	62 41 56,2	6,971	79
30579	Hercules	8½	38 40,25	2,752	75 47 58,0	6,969	83
30580	Hercules	7½	38 42,46	2,815	78 30 13,0	6,966	84
30581	Hercules	8½	38 44,66	2,026	50 14 43,4	6,964	289
30582	Hercules	8	38 45,70	2,219	55 50 14,4	6,963	77
30583	Ophiuchus	5	38 46,90	3,300	100 24 58,5	6,961	472
30584	Hercules	8½	38 47,20	2,120	52 52 43,6	6,960	78
30585	Hercules	9	38 49,14	2,035	50 28 37,6	6,958	289
30586	Draco.....	9	38 50,44	1,469	38 4 56,3	6,956	356
30587	Draco.....	7½	38 50,58	1,469	38 5 2,8	6,956	357
30588	Ophiuchus	8	38 54,51	3,062	89 38 10,4	6,950	339
30589	Draco.....	8	38 54,59	0,640	27 18 35,5	6,950	355
30590	Hercules	6½	38 56,12	2,758	76 2 31,2	6,948	83
30591	Ophiuchus	7½	38 56,96	3,337	102 1 11,2	6,947	346
30592	Hercules	8	39 1,12	2,845	79 52 14,2	6,942	86
30593	Ophiuchus	8	39 6,55	3,063	89 42 54,5	6,934	339
30594	Hercules	7½	39 6,92	2,599	69 25 45,4	6,934	75
30595	Draco.....	7½	39 8,58	1,446	37 42 20,3	6,931	357
30596	Hercules	8	39 8,71	2,122	52 56 15,4	6,931	78
30597	Hercules	8	39 9,73	1,907	47 11 9,0	6,929	76
30598	Hercules	8½	39 9,73	1,907	47 11 0,1	6,929	165
30599	Ophiuchus	8	39 10,14	3,641	114 28 35,4	6,929	565
30600	Ophiuchus	9	16 39 10,19	+3,514	109 28 42,2	+6,929	344

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			h m s	s	° ' "	"	
30601	Hercules	9	16 39 11,66	+2,813	78° 27' 16,6	+6,926	84
30602	Ophiuchus	7½	39 14,97	3,042	88 44 40,0	6,923	291
30603	Draco.....	8	39 19,64	1,561	39 45 40,1	6,916	358
30604	Ophiuchus	7½	39 26,48	3,434	106 11 17,2	6,907	470
30605	Hercules	9	39 26,80	2,332	59 33 58,2	6,906	167
30606	Hercules	8	39 27,16	2,380	61 14 10,0	6,906	167
30607	Hercules	8	39 27,45	2,380	61 14 13,1	6,905	79
30608	Ophiuchus	8	39 28,53	3,498	108 49 38,5	6,904	342
30609	Scorpio	8	39 29,48	3,696	116 30 59,8	6,903	567
30610	Hercules	9	39 30,35	1,879	46 30 59,3	6,901	165
30611	Hercules	8	39 30,71	2,599	69 27 58,3	6,901	75
30612	Draco.....	5	39 33,83	0,380	25 1 48,8	6,896	386
30613	Scorpio	8	39 35,60	3,660	115 10 57,2	6,894	565
30614	Ophiuchus	8½	39 36,62	3,564	111 27 53,8	6,893	474
30615	Hercules	8½	39 40,29	2,944	84 16 28,1	6,889	89
30616	Hercules	8½	39 44,61	2,598	69 24 49,0	6,882	75
30617	Ophiuchus	8½	39 47,97	3,468	107 34 56,5	6,877	342
30618	Ophiuchus	9	39 48,51	3,089	90 53 30,4	6,877	339
30619	Scorpio	9	39 51,46	3,698	116 33 53,5	6,872	567
30620	Hercules	8	39 53,42	2,645	71 19 16,5	6,869	473
30621	Scorpio	9	39 55,51	3,701	116 39 36,9	6,867	567
30622	Ophiuchus	6	39 56,64	3,120	92 17 35,2	6,865	347
30623	Hercules	8	39 58,10	2,568	68 14 56,9	6,863	474
30624	Hercules	8	40 0,64	1,749	43 35 18,6	6,860	353
30625	Scorpio	7	40 0,83	3,662	115 14 48,0	6,860	565
30626	Draco.....	10	40 0,89	1,474	38 12 54,6	6,860	356
30627	Ophiuchus	8½	40 1,40	3,591	112 33 0,2	6,858	474
30628	Draco.....	8½	40 2,24	1,474	38 13 6,1	6,858	357
30629	Ophiuchus	8½	40 5,94	3,252	98 14 46,9	6,853	288
30630	Hercules	8	40 6,66	2,395	61 45 22,3	6,852	79
30631	Hercules	7½	40 7,60	1,932	47 50 28,2	6,850	76
30632	Hercules	9	40 13,84	2,286	58 2 46,5	6,842	70
30633	Hercules	6	40 20,93	2,765	76 22 43,0	6,832	83
30634	Hercules	9	40 22,05	2,456	63 59 35,1	6,830	169
30635	Hercules	6½	40 26,28	2,864	80 42 17,8	6,825	86
30636	Hercules	9	40 34,25	2,718	74 22 25,0	6,814	81
30637	Hercules ..	5	40 37,17	2,902	82 23 45,3	6,810	288
30638	Hercules	8	40 38,97	2,260	57 13 18,3	6,808	70
30639	Hercules	8	40 39,16	2,260	57 13 16,0	6,808	77
30640	Hercules	7	16 40 39,21	+2,089	52 4 34,9	+6,808	78

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			h m s	s	° ' "		
30641	Ophiuchus	8½	16 40 39.22	+3,503	109 0 0.5	+6,807	342
30642	Draco	8½	40 42.18	0,044	22 34 42.5	6,803	356
30643	Ophiuchus	8	40 43.44	3,394	104 26 56.3	6,801	347
30644	Hercules	8	40 46.14	2,815	78 34 9.1	6,798	84
30645	Ophiuchus	8	40 46.15	3,072	90 6 43.2	6,798	339
30646	Hercules	8½	40 48.58	1,931	47 52 4.9	6,794	76
30647	Hercules	8½	40 50.07	3,021	50 11 27.7	6,792	289
30648	Hercules	8	40 52.03	2,458	64 5 29.9	6,789	169
30649	Hercules	7	40 53.60	2,715	74 15 53.7	6,787	81
30650	Hercules	6	40 56.18	1,912	47 23 54.4	6,784	76
30651	Ophiuchus	8	41 5.80	3,258	98 30 40.6	6,770	288
30652	Hercules	8	41 7.53	2,688	73 8 48.8	6,769	473
30653	Hercules	8½	41 9.16	2,116	52 51 6.3	6,766	78
30654	Ophiuchus	8	41 9.81	2,941	84 9 23.2	6,766	89
30655	Ophiuchus	8	41 9.94	3,055	89 20 52.3	6,765	339
30656	Ophiuchus	6	41 16.84	3,035	88 25 50.9	6,755	291
30657	Hercules	8	41 17.01	2,560	67 58 3.5	6,754	474
30658	Hercules	9	41 19.63	2,619	70 17 56.5	6,751	75
30659	Hercules . . . .	.	41 21.59	2,445	63 36 30.2	6,748	169
30660	Hercules	7	41 28.74	2,333	59 41 2.5	6,739	167
30661	Hercules	9	41 28.79	1,867	46 19 35.2	6,739	165
30662	Draco	5	41 30.32	1,119	32 51 27.8	6,738	355
30663	Hercules	7½	41 32.02	2,145	53 43 8.3	6,735	293
30664	Hercules	8	41 33.81	2,112	52 46 25.1	6,732	78
30665	Hercules	6½	41 35.05	2,853	80 14 10.6	6,730	86
30666	Ophiuchus	6	41 37.67	3,530	110 3 58.3	6,727	344
30667	Hercules	8	41 39.49	2,206	55 34 23.7	6,723	77
30668	Hercules	9	41 40.91	2,683	72 55 18.4	6,722	473
30669	Draco	9	41 41.25	0,765	28 39 47.9	6,722	355
30670	Ophiuchus	7	41 41.34	3,124	92 26 54.3	6,722	347
30671	Ophiuchus	7	41 54.13	3,176	94 48 4.1	6,704	292
30672	Hercules	7½	41 54.60	2,439	63 26 14.8	6,704	169
30673	Hercules	8	41 59.30	1,911	47 24 33.9	6,697	76
30674	Hercules	9	41 59.63	2,141	53 37 34.1	6,696	293
30675	Scorpio	9	42 0.87	3,718	117 13 34.9	6,695	568
30676	Ophiuchus	8½	42 4.16	3,322	101 19 36.7	6,691	472
30677	Ophiuchus	7½	42 4.28	3,322	101 19 27.9	6,690	346
30678	Scorpio	7½	42 5.23	3,671	115 29 2.3	6,689	567
30679	Hercules	42 9.95	2,705	73 51 15.5	6,682	81
30680	Scorpio	8½	16 42 15.72	+3,670	115 28 14.0	+6,674	567

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			h m s	s	° ' "		
30681	Ophiuchus....	8	16 42 20.71	+3,470	107 37 46.4	+6,668	342
30682	Scorpio	9	42 22.17	3,724	117 24 23.3	6,665	568
30683	Hercules	9	42 23.95	2,209	55 41 55.4	6,664	77
30684	Ophiuchus....	8½	42 27.32	3,324	101 24 15.1	6,659	346
30685	Ophiuchus....	9	42 27.60	3,324	101 23 21.9	6,659	472
30686	Ophiuchus....	8	42 29.57	2,956	84 50 33.8	6,656	89
30687	Hercules	8	42 34.00	1,933	47 59 2.1	6,649	76
30688	Ophiuchus....	8½	42 35.20	2,967	85 20 52.9	6,648	91
30689	Hercules	8	42 36.85	2,619	70 20 11.8	6,645	75
30690	Ophiuchus....	7	42 46.68	3,610	113 10 11.0	6,632	565
30691	Ophiuchus....	7	42 46.76	3,610	113 10 11.3	6,632	474
30692	Hercules	6	42 50.85	2,337	59 50 35.0	6,626	167
30693	Hercules	8½	42 52.50	2,414	62 32 31.8	6,624	79
30694	Ophiuchus....	6½	42 54.93	3,061	89 35 56.6	6,621	339
30695	Hercules	8	42 57.45	2,139	53 36 27.7	6,617	293
30696	Hercules	7	42 57.50	2,811	78 24 40.7	6,617	84
30697	Hercules	6	42 58.69	2,724	74 40 42.2	6,616	81
30698	Hercules	7	43 7.08	+2,587	69 4 49.5	6,604	474
30699	Draco.....	8	43 7.20	-0,127	21 33 17.3	6,604	356
30700	Hercules	8	43 8.92	+2,213	55 51 2.3	6,601	77
30701	Hercules	7	43 9.88	2,508	66 1 40.5	6,600	469
30702	Hercules	9½	43 10.17	1,660	41 50 59.4	6,600	353
30703	Ophiuchus....	7½	43 10.81	3,088	90 51 11.7	6,599	339
30704	Hercules	7	43 11.31	2,253	57 6 1.9	6,598	70
30705	Ophiuchus....	7	43 11.38	3,157	93 58 21.5	6,598	292
30706	Ophiuchus....	8	43 14.59	2,995	86 38 5.0	6,594	91
30707	Ophiuchus....	8	43 15.92	3,032	88 18 28.2	6,592	291
30708	Hercules	8	43 21.70	2,342	60 2 37.0	6,584	167
30709	Hercules	5	43 23.60	1,746	43 39 45.9	6,582	353
30710	Hercules	8	43 24.01	2,508	66 0 53.4	6,582	469
30711	Ophiuchus....	8	43 25.63	3,496	108 37 37.7	6,579	342
30712	Hercules	6½	43 27.68	1,859	46 13 4.5	6,575	165
30713	Hercules	9	43 28.12	2,373	61 7 41.2	6,575	168
30714	Hercules	7	43 28.13	2,385	61 31 55.4	6,575	79
30715	Hercules	5	43 28.36	2,480	64 59 49.7	6,574	169
30716	Ophiuchus....	8	43 29.10	3,664	115 11 47.6	6,573	565
30717	Ophiuchus....	7½	43 29.37	3,664	115 11 48.4	6,573	567
30718	Ophiuchus....	6	43 33.07	3,326	101 27 8.2	6,567	346
30719	Ophiuchus....	6½	43 33.37	3,326	101 27 5.1	6,567	472
30720	Hercules	7½	16 43 34.14	+2,460	64 15 8.0	+6,566	169

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			h m s	s	° ' "	"	
30721	Hercules	16 43 34.65	+2,809	78 21 24.4	+6,566	84
30722	Ophiuchus	7½	43 35.63	3,158	93 59 31.4	6,564	292
30723	Hercules	8	43 36.40	1,637	41 24 52.1	6,563	358
30724	Hercules	9	43 36.87	2,219	56 3 10.2	6,563	77
30725	Ophiuchus	6½	43 38.86	3,561	111 13 54.1	6,560	344
30726	Scorpio	9½	43 46.15	3,735	117 45 44.9	6,550	568
30727	Hercules	8½	43 49.21	2,093	52 18 13.4	6,546	78
30728	Ophiuchus	6	43 49.32	3,098	91 16 4.6	6,545	339
30729	Ophiuchus	6	43 50.01	3,098	91 16 4.1	6,545	347
30730	Hercules	8½	43 50.19	2,510	66 6 28.6	6,544	469
30731	Hercules	6½	43 50.44	2,649	71 35 31.4	6,544	473
30732	Ophiuchus	7	43 54.41	3,154	93 49 23.9	6,539	292
30733	Ophiuchus	6	43 54.76	3,198	95 48 49.2	6,537	290
30734	Hercules	7	43 55.09	2,369	60 59 20.9	6,537	168
30735	Ophiuchus	9	43 57.46	3,037	88 31 43.4	6,534	291
30736	Hercules	9	43 59.76	2,100	51 30 19.6	6,531	78
30737	Hercules	7½	44 3.72	2,572	68 40 56.0	6,525	474
30738	Ophiuchus	8	44 8.52	3,315	100 58 3.3	6,519	472
30739	Hercules	6½	44 11.58	1,921	47 45 41.3	6,515	76
30740	Hercules	8½	44 15.91	2,262	57 27 2.7	6,509	70
30741	Hercules	9	44 17.54	2,373	61 8 57.8	6,507	168
30742	Ophiuchus	8½	44 18.70	3,248	98 1 46.8	6,505	288
30743	Ophiuchus	7½	44 23.96	3,210	96 18 46.6	6,498	290
30744	Ophiuchus	8½	44 24.44	3,470	107 34 12.7	6,497	342
30745	Hercules	8	44 26.75	2,070	51 42 9.5	6,494	78
30746	Hercules	8½	44 26.88	2,484	65 10 19.5	6,494	169
30747	Draco.....	7½	44 27.02	1,057	32 9 28.5	6,494	355
30748	Ophiuchus	7½	44 27.33	2,874	81 13 41.1	6,494	288
30749	Ophiuchus	9	44 28.57	3,316	101 0 48.3	6,491	472
30750	Ophiuchus	6½	44 30.26	3,444	106 28 26.7	6,489	470
30751	Ophiuchus ...	4½	44 33.07	2,835	79 29 40.6	6,485	116
30752	Ophiuchus ...	4½	44 33.17	2,835	79 29 44.6	6,485	85
30753	Hercules	8	44 34.17	2,719	74 31 26.2	6,483	81
30754	Hercules	9	44 41.86	2,050	51 8 17.5	6,473	289
30755	Hercules	7½	44 44.82	1,913	47 34 45.9	6,469	76
30756	Ophiuchus	6	44 45.17	3,602	112 49 3.0	6,469	474
30757	Draco.....	7½	44 47.28	1,373	36 43 56.7	6,466	354
30758	Hercules	8	44 47.40	2,092	52 19 19.9	6,466	78
30759	Draco.....	7	44 48.16	1,373	36 44 0.6	6,465	357
30760	Draco.....	8	16 44 48.25	+1,031	31 50 9.1	+6,465	355

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			h m s	s			
30761	Hercules	8	16 44 49.27	+2,532	66° 58' 51.8"	+6.463	469
30762	Hercules	8	44 49.57	2,529	66 56 10.7	6.463	469
30763	Ophiuchus	8½	44 55.42	2,981	85 59 58.0	6.455	91
30764	Hercules	8	44 58.00	2,155	54 10 8.7	6.451	293
30765	Ophiuchus	8½	44 58.22	3,476	107 47 54.2	6.451	342
30766	Hercules	8½	44 59.12	2,380	61 25 22.7	6.449	79
30767	Ophiuchus	8	45 7.46	3,198	95 47 18.8	6.437	290
30768	Hercules	7½	45 7.51	2,707	74 2 19.2	6.437	81
30769	Hercules	7	45 10.24	2,570	68 29 26.6	6.434	474
30770	Ophiuchus	8	45 11.03	3,117	92 7 9.0	6.433	347
30771	Ophiuchus	8½	45 11.73	3,060	89 34 21.1	6.431	339
30772	Hercules	9	45 12.06	2,765	76 27 50.8	6.431	83
30773	Ophiuchus	6½	45 19.66	3,511	109 12 31.2	6.421	344
30774	Hercules	5½	45 23.39	2,277	57 57 29.8	6.415	70
30775	Hercules	9	45 23.41	1,628	41 18 37.4	6.415	358
30776	Hercules	8	45 23.59	2,433	63 20 24.2	6.415	169
30777	Ophiuchus	8	45 25.75	2,838	79 37 0.7	6.412	86
30778	Hercules	8	45 26.10	2,430	63 12 43.1	6.412	169
30779	Scorpio	8½	45 26.57	3,723	117 16 51.2	6.411	568
30780	Scorpio	8	45 27.32	3,723	117 16 53.9	6.410	567
30781	Ophiuchus	8½	45 30.52	3,472	107 35 47.8	6.406	342
30782	Ophiuchus	8	45 33.49	3,469	107 29 20.0	6.401	342
30783	Hercules ....	.	45 37.61	2,631	70 55 14.2	6.396	75
30784	Ophiuchus	9½	45 41.01	3,307	100 37 28.8	6.392	472
30785	Hercules	9½	45 44.68	2,342	60 7 51.0	6.386	168
30786	Hercules	8	45 45.17	1,824	45 29 43.4	6.386	165
30787	Hercules	9	45 45.54	2,174	54 45 32.0	6.385	293
30788	Ophiuchus	8½	45 46.53	3,568	111 26 40.3	6.384	474
30789	Ophiuchus	7½	45 57.93	3,681	115 44 4.0	6.368	567
30790	Ophiuchus	8	45 58.03	3,031	88 14 48.3	6.368	291
30791	Draco.....	8	45 58.33	1,477	38 31 32.4	6.367	357
30792	Hercules	8	45 58.64	1,896	47 12 26.0	6.366	165
30793	Hercules	6	46 3.58	2,754	76 2 42.8	6.360	83
30794	Hercules	9	46 4.55	2,199	55 32 59.4	6.359	77
30795	Hercules	8	46 4.65	2,397	62 4 29.7	6.359	79
30796	Hercules	9	46 7.92	+2,354	60 33 25.4	6.354	168
30797	Draco.....	9	46 8.19	-0,087	21 53 21.3	6.353	356
30798	Draco.....	8	46 11.14	+0,167	23 36 27.1	6.349	386
30799	Ophiuchus	9	46 13.70	3,026	88 2 16.7	6.346	291
30800	Hercules	5½	16 46 17.48	+2,575	68 42 34.7	+6.340	474

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			h m s	s	° ' "	"	
30801	Ophiuchus	9	16 46 18,19	+3,337	101 54 34,7	+6,340	346
30802	Draco	8	46 22,17	1,497	38 53 20,8	6,334	356
30803	Draco	7½	46 22,72	1,497	38 53 21,3	6,333	357
30804	Ophiuchus	7	46 22,81	3,308	100 37 57,8	6,333	472
30805	Ophiuchus	7½	46 31,22	3,108	91 43 22,7	6,322	347
30806	Hercules	10	46 31,72	1,631	41 24 35,7	6,322	358
30807	Hercules	6	46 35,13	2,638	71 14 11,1	6,317	75
30808	Hercules	6	46 35,80	2,638	71 14 10,6	6,316	473
30809	Ophiuchus	8	46 40,18	3,626	113 39 50,6	6,309	565
30810	Ophiuchus	9	46 40,92	2,981	86 11 39,3	6,309	91
30811	Ophiuchus	8½	46 42,65	2,923	83 23 29,3	6,308	89
30812	Hercules	7½	46 44,07	2,488	65 26 17,3	6,305	469
30813	Ophiuchus	8½	46 46,52	3,620	113 25 8,5	6,302	474
30814	Ophiuchus	8½	46 46,56	3,620	113 25 10,0	6,301	566
30815	Hercules	8	46 49,29	2,561	68 10 35,1	6,297	474
30816	Ophiuchus	7½	46 50,51	3,387	104 2 48,6	6,296	347
30817	Hercules	6	46 50,64	2,449	63 56 11,2	6,296	169
30818	Hercules	8½	46 52,86	1,812	45 15 52,7	6,293	165
30819	Ophiuchus	7½	46 53,23	3,334	101 45 22,0	6,292	346
30820	Hercules	7	46 57,42	2,381	61 31 57,6	6,285	79
30821	Hercules	8	47 3,66	2,165	54 32 16,4	6,277	293
30822	Hercules	7	47 6,16	2,712	74 17 15,7	6,273	81
30823	Ophiuchus	7	47 6,61	2,918	83 10 20,6	6,273	87
30824	Ophiuchus	7½	47 7,42	2,918	83 10 18,7	6,272	89
30825	Hercules	8	47 8,74	2,355	60 37 43,0	6,270	168
30826	Hercules	8½	47 9,99	1,927	48 2 0,2	6,267	76
30827	Ophiuchus	8	47 11,00	3,299	100 13 15,3	6,266	472
30828*	Ophiuchus	7	47 11,53	3,129	92 41 28,1	6,266	347
30829	Hercules	7	47 11,99	1,878	46 49 19,0	6,265	165
30830	Hercules	8½	47 15,65	2,305	58 57 50,0	6,261	70
30831	Ophiuchus	6½	47 20,01	3,399	104 32 50,9	6,255	347
30832	Hercules	7½	47 22,77	2,691	73 23 12,3	6,250	81
30833	Hercules	8	47 27,97	2,454	64 10 5,3	6,243	169
30834	Hercules	7½	47 28,80	1,837	45 52 42,9	6,241	165
30835	Hercules	7	47 30,46	2,742	75 32 7,4	6,240	83
30836	Ophiuchus	8½	47 32,37	3,422	105 29 23,0	6,237	470
30837	Draco	8	47 35,01	1,277	35 19 57,8	6,233	354
30838	Ophiuchus	6½	47 35,15	2,924	83 27 49,0	6,233	89
30839	Ophiuchus	6½	47 35,18	2,924	83 27 49,7	6,233	87
30840	Ophiuchus	9	16 47 35,59	+3,403	104 42 21,7	+6,233	347

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30841	Hercules	7½	16 47 36,73	+2,706	74 1 44,1	+6,230	81
30842	Hercules	7	47 43,18	1,673	42 15 27,1	6,222	353
30843	Ophiuchus	6	47 43,96	3,656	114 46 25,1	6,221	566
30844	Hercules	8	47 44,23	2,198	55 34 10,6	6,221	77
30845	Ophiuchus	8	47 46,14	3,159	94 1 15,4	6,219	292
30846	Ophiuchus	8	47 46,98	2,826	79 9 0,8	6,218	86
30847	Ophiuchus	7½	47 47,22	2,826	79 8 56,4	6,216	85
30848	Hercules	8	47 50,25	2,545	67 34 4,3	6,213	474
30849	Ophiuchus	8	47 55,30	3,428	105 44 43,4	6,205	470
30850	Ophiuchus	6	47 55,50	3,654	114 40 5,2	6,205	566
30851	Hercules	8	48 1,96	+2,088	52 21 1,4	6,195	78
30852	Draco	8	48 2,15	-0,108	21 48 51,3	6,195	356
30853	Ophiuchus	9	48 2,77	+3,361	102 52 48,6	6,195	346
30854	Ophiuchus	6½	48 6,32	3,481	107 55 22,4	6,190	342
30855	Ophiuchus	8½	48 6,65	3,481	107 53 59,3	6,190	342
30856	Hercules	7½	48 7,14	1,853	46 15 52,1	6,189	165
30857	Hercules	8½	48 7,65	2,407	62 28 5,0	6,187	79
30858	Hercules	9	48 8,78	1,964	49 0 44,7	6,187	76
30859	Hercules	8	48 8,99	1,962	48 57 49,7	6,186	76
30860	Hercules	8	48 9,00	1,962	48 57 42,3	6,186	289
30861	Ophiuchus	3½	48 12,33	2,852	80 18 9,5	6,181	55
30862	Hercules	8	48 12,91	2,643	71 26 37,7	6,180	473
30863	Hercules	7½	48 21,09	2,744	75 39 39,1	6,170	83
30864	Hercules	6	48 22,54	2,748	75 47 51,2	6,167	83
30865	Hercules	9	48 29,93	2,463	64 30 30,1	6,158	169
30866	Ophiuchus	7½	48 33,29	2,860	80 38 44,8	6,153	55
30867	Hercules	9	48 34,59	2,106	52 53 9,5	6,151	78
30868	Hercules	7	48 35,17	1,711	43 7 51,2	6,151	353
30869	Ophiuchus	7½	48 35,89	3,562	111 8 30,8	6,149	344
30870	Ophiuchus	8	48 42,34	3,240	97 38 25,9	6,141	288
30871	Hercules	8	48 43,19	2,294	58 39 50,8	6,139	70
30872	Hercules	8	48 43,97	2,593	69 29 22,2	6,138	469
30873	Ophiuchus	9	48 48,74	2,976	85 48 12,0	6,131	91
30874	Scorpio	8	48 53,77	3,717	116 56 14,1	6,124	567
30875	Ophiuchus	8	48 54,32	2,974	85 42 56,7	6,124	91
30876	Hercules	8½	48 55,44	2,620	70 33 3,0	6,122	75
30877	Hercules	8½	48 55,48	2,226	55 15 52,7	6,122	77
30878	Hercules	8½	48 56,58	2,374	61 21 24,4	6,120	79
30879	Hercules	7½	48 59,68	2,717	74 31 40,1	6,116	81
30880	Hercules	8½	16 49 1,36	+2,337	60 5 12,6	+6,112	168

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30881	Draco.....	8	16 49 2,00	+1,476	38 38' 20,1	+6,112	357
30882	Scorpio	8½	49 2,51	3,700	116 19 49,6	6,112	567
30883	Hercules	9	49 4,67	2,299	58 49 13,9	6,109	70
30884	Ophiuchus....	9	49 12,51	3,231	97 12 57,1	6,098	290
30885	Ophiuchus....	8	49 16,61	3,157	93 54 22,9	6,092	292
30886	Hercules	6½	49 18,44	2,457	64 19 36,6	6,089	169
30887	Scorpio	8½	49 20,25	3,709	116 38 28,9	6,087	567
30888	Ophiuchus....	8½	49 23,72	3,159	94 1 56,1	6,082	292
30889	Hercules	6	49 24,31	2,484	65 17 56,8	6,081	469
30890	Hercules	6½	49 24,33	2,483	65 17 52,6	6,081	169
30891	Ophiuchus....	7½	49 25,67	3,537	110 7 29,8	6,080	344
30892	Scorpio	8	49 27,12	3,737	117 37 44,7	6,078	568
30893	Ophiuchus....	9	49 31,22	3,320	101 5 52,3	6,071	472
30894	Hercules	7	49 35,22	+2,710	74 14 12,5	6,067	81
30895	Draco.....	8	49 36,02	-0,075	22 3 53,3	6,065	356
30896	Ophiuchus....	8	49 37,45	+3,460	107 2 9,5	6,063	470
30897	Hercules	8	49 39,72	2,256	57 26 48,9	6,060	70
30898	Ophiuchus....	8½	49 42,81	3,499	108 37 33,8	6,056	342
30899	Hercules	8½	49 43,32	2,618	70 29 30,5	6,056	75
30900	Ophiuchus....	8	49 44,13	2,803	78 10 19,0	6,054	85
30901	Ophiuchus....	8	49 47,20	2,933	83 53 2,6	6,049	89
30902	Ophiuchus....	9	49 48,44	3,657	114 44 57,9	6,048	566
30903	Ophiuchus....	7	49 55,28	3,370	103 14 18,4	6,039	347
30904	Ophiuchus....	7	49 55,60	3,370	103 14 21,8	6,039	346
30905	Hercules	8	49 56,40	1,983	49 34 16,4	6,037	289
30906	Ophiuchus....	8	49 58,18	2,883	81 39 41,6	6,034	87
30907	Hercules	8½	49 58,39	2,156	54 23 36,5	6,034	293
30908	Ophiuchus....	8	49 59,33	2,844	79 58 52,0	6,033	86
30909	Hercules	8	49 59,90	2,457	64 20 41,4	6,033	169
30910	Hercules	8	50 2,59	2,107	52 57 57,8	6,029	78
30911*	Hercules	7	50 2,59	2,742	75 36 11,2	6,029	83
30912	Ophiuchus....	9	50 4,79	3,611	112 58 44,2	6,026	474
30913	Hercules	8½	50 6,36	2,659	72 8 52,5	6,023	473
30914	Ophiuchus....	6½	50 9,88	3,498	108 34 35,5	6,019	343
30915	Draco.....	8	50 10,14	1,420	37 42 42,1	6,019	357
30916	Ophiuchus....	8	50 12,17	3,541	110 17 14,0	6,015	344
30917	Hercules	7½	50 13,37	2,655	71 59 51,2	6,013	473
30918	Hercules	8	50 16,28	2,737	75 22 39,8	6,009	83
30919	Ophiuchus....	6½	50 23,59	2,816	78 46 28,6	5,999	85
30920	Hercules	8½	16 50 24,40	+2,376	61 28 2,8	+5,998	79

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30921	Ophiuchus	8	16 50 27,60	+3,220	96 43 11,4	+5,994	290
30922	Hercules	8	50 30,57	1,668	42 18 40,9	5,990	353
30923	Ophiuchus	7½	50 30,77	2,842	79 53 18,7	5,990	86
30924	Ophiuchus	5½	50 31,53	3,157	93 54 32,6	5,988	292
30925	Draco	8½	50 33,94	0,264	24 27 55,7	5,985	386
30926	Scorpio	8	50 39,03	3,714	116 47 23,3	5,978	567
30927	Ophiuchus	8	50 41,06	2,883	81 41 13,3	5,974	■
30928	Ophiuchus	8½	50 42,02	2,841	79 50 22,5	5,973	86
30929	Hercules	8	50 42,78	2,633	71 7 52,9	5,973	75
30930	Ophiuchus	6½	50 44,84	2,915	83 6 16,9	5,969	89
30931	Hercules	8½	50 49,80	2,305	59 6 7,7	5,963	168
30932	Ophiuchus	6½	50 50,09	2,818	78 51 43,5	5,963	85
30933	Hercules	8	50 50,46	2,208	55 59 3,4	5,963	77
30934	Ophiuchus	7½	50 50,86	3,214	96 25 47,4	5,961	290
30935	Hercules	7½	50 53,07	2,057	51 35 6,0	5,958	78
30936	Draco	7	50 58,97	1,528	39 38 26,8	5,950	356
30937	Draco	7	50 58,98	1,528	39 38 26,4	5,950	358
30938	Hercules	8½	50 59,64	2,174	54 57 55,8	5,949	293
30939	Hercules	7	51 0,18	2,652	71 53 1,0	5,949	473
30940	Hercules	9	51 2,55	2,601	69 51 17,1	5,946	75
30941	Ophiuchus	8	51 3,02	3,006	87 8 19,6	5,944	291
30942	Ophiuchus	7½	51 3,85	3,006	87 8 23,3	5,944	91
30943	Ophiuchus	8½	51 9,89	3,147	93 27 48,1	5,935	292
30944	Hercules	8	51 12,24	1,878	46 59 59,4	5,932	165
30945	Ophiuchus	9	51 16,36	3,332	101 35 29,7	5,926	346
30946	Ophiuchus	8	51 17,59	3,608	112 50 53,0	5,924	474
30947	Hercules	8	51 18,07	2,607	70 5 47,2	5,924	75
30948	Ophiuchus	7½	51 19,31	3,310	100 38 58,5	5,922	472
30949	Ophiuchus	7	51 20,81	3,637	113 56 17,9	5,919	566
30950	Hercules	8	51 21,26	2,278	58 13 12,9	5,919	70
30951	Hercules	7	51 21,80	2,487	65 28 48,8	5,919	469
30952	Draco	10	51 22,48	1,530	39 41 40,1	5,917	358
30953	Hercules	7½	51 23,10	2,716	74 32 22,9	5,917	81
30954	Ophiuchus	9	51 26,39	2,918	83 14 7,8	5,912	89
30955	Scorpio	8½	51 26,82	3,748	117 57 21,0	5,911	568
30956	Hercules	6½	51 32,05	1,885	47 10 19,4	5,903	165
30957	Hercules	7	51 32,10	1,885	47 10 26,4	5,903	76
30958	Hercules	8½	51 32,89	2,649	71 46 30,8	5,903	473
30959	Ophiuchus	8	51 34,60	3,514	109 11 12,3	5,900	343
30960	Ophiuchus	9	16 51 40,15	+2,974	85 32 31,0	+5,892	91

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30961	Hercules	8	16 51 42.17	+1,996	49 58' 19.2	+5.889	289
30962	Draco.....	6½	51 42.61	1,372	36 59 5.2	5.889	357
30963	Ophiuchus	6	51 43.39	3,677	115 23 54.6	5.888	567
30964	Ophiuchus	7	51 45.62	2,806	78 21 18.4	5.884	85
30965	Ophiuchus	9	51 47.33	+3,639	113 59 38.6	5.882	566
30966	Draco.....	8½	51 47.35	-0,090	22 1 50.4	5.882	356
30967	Hercules	8½	51 49.54	+2,425	63 14 29.5	5.880	169
30968	Ophiuchus	9½	51 51.69	2,973	85 40 50.1	5.876	91
30969	Hercules	7	51 52.15	2,401	62 22 31.1	5.876	79
30970	Scorpio	7½	51 52.57	3,757	118 16 18.9	5.875	568
30971	Ophiuchus	6½	51 56.79	3,537	110 5 27.2	5.869	344
30972	Hercules	9	52 3.60	2,168	54 49 30.3	5.860	293
30973	Ophiuchus	7	52 3.61	2,810	78 32 9.4	5.860	85
30974	Hercules	7	52 5.29	2,681	73 5 57.6	5.857	473
30975	Hercules	8	52 7.47	2,180	55 11 9.9	5.855	77
30976	Ophiuchus	7½	52 7.72	3,540	110 10 35.8	5.854	344
30977	Hercules ....	.	52 10.51	2,430	63 26 57.6	5.851	169
30978	Ophiuchus	8	52 12.61	3,426	105 33 59.1	5.847	470
30979*	Ophiuchus	6	52 13.14	2,873	81 14 52.7	5.847	88
30980	Ophiuchus	8	52 14.82	+3,205	96 3 9.4	5.843	290
30981	Draco.....	8	52 15.35	-0,122	21 50 38.9	5.843	356
30982	Ophiuchus	7½	52 17.51	+3,635	113 56 34.0	5.840	566
30983	Hercules	7	52 23.07	2,481	65 16 58.4	5.833	469
30984	Draco.....	8	52 24.11	1,419	37 47 18.8	5.832	356
30985	Draco.....	7½	52 24.96	1,419	37 47 19.4	5.830	357
30986	Hercules	7	52 25.54	2,423	63 12 32.2	5.829	169
30987	Ophiuchus	6	52 26.51	3,676	115 20 43.9	5.828	567
30988	Hercules	8	52 26.82	1,821	45 41 40.5	5.828	165
30989	Hercules	6	52 27.58	2,721	74 44 48.7	5.825	81
30990	Hercules	5½	52 31.38	2,528	67 3 42.1	5.821	469
30991	Hercules	6½	52 32.16	2,528	67 3 44.2	5.820	474
30992	Hercules	8	52 33.18	2,718	74 37 10.5	5.819	81
30993	Hercules	7½	52 33.27	2,558	68 11 52.5	5.819	474
30994	Ophiuchus	8½	52 33.94	3,355	102 33 46.6	5.817	346
30995	Ophiuchus	9	52 37.37	3,434	105 53 58.9	5.813	470
30996	Hercules .. .	3½	52 38.27	2,294	58.46 14.5	5.812	70
30997	Hercules .. .	.	52 38.83	2,294	58 46 14.8	5.811	168
30998	Hercules	9	52 43.83	2,602	69 55 38.2	5.803	75
30999	Draco.....	7½	52 48.71	0,619	27 34 52.4	5.797	355
31000	Ophiuchus	8	16 52 48.94	+3,482	107 50 48.4	+5.797	343

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31001	Hercules	9	16 52 51.03	+2,184	55 19 35.5	+5,793	293
31002	Hercules	9	52 51.93	2,184	55 19 31.6	5,793	77
31003	Hercules	7½	52 52.18	2,185	55 21 23.5	5,792	293
31004	Hercules	7	52 52.63	2,185	55 21 26.6	5,792	77
31005	Ophiuchus	7	52 54.10	3,466	107 11 28.2	5,789	470
31006	Ophiuchus	6	52 55.33	3,541	110 11 57.8	5,788	344
31007	Ophiuchus	8½	52 58.61	2,918	83 15 55.1	5,784	89
31008	Ophiuchus	7	53 3.03	2,841	79 52 40.5	5,777	86
31009*	Hercules	8	53 5.89	2,063	51 50 38.2	5,773	78
31010	Hercules	6	53 8.12	2,403	62 29 50.5	5,771	79
31011	Ophiuchus	7½	53 10.79	3,478	107 39 58.1	5,766	343
31012	Hercules	9	53 10.98	1,664	42 20 27.7	5,766	353
31013	Draco	9	53 12.54	1,488	38 59 47.9	5,763	358
31014	Hercules	8½	53 14.57	1,889	47 19 28.8	5,761	76
31015	Ophiuchus	6½	53 18.21	3,351	102 22 35.7	5,755	346
31016	Draco	9	53 19.92	1,424	37 53 44.7	5,753	357
31017	Ophiuchus	9	53 19.97	3,647	114 16 4.7	5,753	566
31018	Scorpio	8½	53 20.94	3,768	118 35 0.6	5,752	568
31019	Hercules	7	53 21.38	2,017	50 36 7.3	5,751	289
31020	Hercules	9	53 21.98	1,664	42 20 16.6	5,750	353
31021	Hercules	8	53 26.83	2,447	64 4 4.8	5,744	169
31022	Ophiuchus	7	53 27.38	3,066	89 51 4.8	5,742	95
31023	Ophiuchus	7	53 29.14	3,314	100 47 37.9	5,740	472
31024	Hercules	8	53 31.34	1,969	49 20 38.0	5,737	289
31025	Hercules	8	53 34.02	2,481	65 20 14.4	5,733	469
31026	Ophiuchus	8	53 35.84	3,121	92 17 20.6	5,731	97
31027	Ophiuchus	8½	53 41.83	3,236	97 24 40.9	5,723	288
31028	Ophiuchus	8	53 42.87	3,703	116 17 32.3	5,721	567
31029	Hercules	8½	53 44.46	2,146	54 13 32.5	5,719	293
31030	Hercules	7½	53 45.81	2,024	50 47 12.4	5,718	289
31031	Hercules	8	53 45.88	1,926	48 15 23.5	5,718	77
31032	Hercules	8	53 47.61	2,727	75 2 19.6	5,715	83
31033	Hercules	8	53 48.31	2,611	70 18 50.2	5,714	75
31034	Ophiuchus	7½	53 48.39	3,561	110 59 22.8	5,714	474
31035	Ophiuchus	7	53 48.43	3,561	110 59 16.9	5,714	344
31036	Ophiuchus	8	53 52.77	2,859	80 40 35.3	5,707	86
31037	Hercules	5	53 58.38	2,741	75 36 32.3	5,699	83
31038	Hercules	7½	54 1.63	2,577	68 58 38.2	5,696	474
31039	Hercules	7	54 5.62	2,730	75 10 59.6	5,690	83
31040	Hercules	9	16 54 6.53	+1,829	45 56 31.0	+5,689	165

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31041	Hercules	8	16 54 7,14	+2,450	64 12 11,7	+5,687	169
31042*	Ophiuchus	7½	54 10,03	3,482	107 49 33,0	5,683	343
31043	Hercules	8	54 13,19	1,999	50 9 21,0	5,679	289
31044	Hercules .. d	5½	54 13,79	2,209	56 7 59,6	5,678	77
31045	Hercules	9	54 13,86	2,090	52 38 28,3	5,678	78
31046	Ophiuchus	6½	54 16,16	3,569	111 16 23,3	5,674	474
31047	Ophiuchus	6	54 16,50	3,569	111 16 21,0	5,674	344
31048	Draco.....	9	54 17,64	1,391	37 23 7,9	5,672	356
31049	Draco.....	9	54 18,65	1,391	37 23 10,4	5,671	357
31050	Draco.....	7½	54 21,23	0,587	27 19 20,6	5,667	355
31051	Draco.....	7	54 27,08	0,275	24 39 19,1	5,659	386
31052	Hercules	8½	54 27,39	2,143	54 9 29,0	5,658	293
31053	Ophiuchus	6	54 31,06	3,702	116 13 39,5	5,654	567
31054	Hercules	8	54 32,94	2,555	68 7 36,2	5,650	474
31055	Ophiuchus	7½	54 39,54	3,175	94 42 44,9	5,641	292
31056	Ophiuchus	9	54 41,08	3,649	114 16 37,9	5,640	566
31057	Hercules	7½	54 41,77	2,341	60 24 27,4	5,639	168
31058	Hercules	6½	54 45,33	2,603	70 1 9,4	5,633	75
31059	Ophiuchus	9	54 48,27	2,912	82 59 48,5	5,630	22
31060	Hercules	8	54 54,93	2,694	73 41 3,8	5,620	82
31061	Draco A¹	5	54 56,25	0,260	24 33 31,3	5,618	386
31062	Ophiuchus	8	54 56,83	2,979	85 56 27,2	5,618	91
31063	Hercules	8½	54 57,42	2,638	71 24 30,9	5,616	473
31064	Hercules	8	55 2,06	2,093	52 43 44,9	5,610	79
31065	Ophiuchus	6	55 6,04	3,047	88 59 26,6	5,605	291
31066	Hercules	8	55 11,16	1,992	49 59 15,2	5,598	289
31067	Ophiuchus	7½	55 11,17	3,346	102 7 37,3	5,598	346
31068	Ophiuchus	7½	55 11,65	3,381	103 38 45,5	5,598	347
31069	Hercules	9	55 13,61	1,867	46 53 10,4	5,594	165
31070	Ophiuchus	6	55 14,29	3,083	90 36 19,6	5,593	95
31071	Hercules	7½	55 14,58	2,335	60 13 41,9	5,593	168
31072	Hercules	7½	55 17,68	1,871	46 58 40,5	5,589	165
31073	Hercules	8	55 18,82	2,268	58 = 58,7	5,588	70
31074	Hercules	8	55 20,51	2,382	61 50 5,6	5,585	79
31075	Ophiuchus	8	55 22,12	2,946	84 29 41,0	5,582	89
31076	Hercules	8	55 24,27	2,134	53 55 26,4	5,580	293
31077	Ophiuchus	7	55 24,88	2,999	86 49 55,6	5,578	91
31078	Ophiuchus	8	55 26,76	3,308	100 31 18,8	5,576	472
31079	Ophiuchus	7	55 37,77	+2,979	85 56 41,9	5,560	91
31080	Draco.....	9	16 55 40,67	-0,155	21 43 47,8	+5,556	356

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31081	Ophiuchus....	7½	16 55 41.90	+3,661	114 43 5.8	+5.554	566
31082	Draco.....	6	55 41.92	1,092	33 0 52.1	5.554	355
31083	Ophiuchus....	7½	55 42.95	3,512	109 0 14.5	5.553	343
31084	Hercules	8	55 44.10	1,977	49 37 56.6	5.551	289
31085	Hercules ....	.	55 45.42	2,445	64 3 44.1	5.550	169
31086	Hercules	8½	55 47.16	2,782	77 24 20.9	5.547	85
31087	Hercules	7½	55 49.93	2,175	55 10 1.9	5.544	77
31088	Hercules	9	55 51.93	1,929	48 24 50.6	5.542	77
31089	Hercules	8	55 55.30	+2,259	57 46 26.0	5.536	70
31090	Draco.....	7	55 56.52	-0,078	22 12 43.1	5.534	356
31091	Hercules	6	55 58.01	+2,605	70 6 49.8	5.533	75
31092	Ophiuchus....	8½	56 0.92	3,486	108 55 22.9	5.529	343
31093	Hercules	7½	56 2.31	1,933	48 30 46.7	5.526	77
31094	Ophiuchus....	8	56 6.15	2,824	79 10 6.9	5.521	86
31095	Ophiuchus....	8	56 6.29	2,950	84 40 40.0	5.521	89
31096	Ophiuchus....	5	56 6.31	+2,819	78 58 26.9	5.521	83
31097	Draco.....	9	56 6.32	-0,144	21 48 23.5	5.521	356
31098	Hercules	8	56 9.16	+2,782	77 24 20.7	5.517	85
31099	Hercules	7	56 9.40	2,180	55 19 37.8	5.516	77
31100	Hercules	8	56 10.67	2,778	77 13 23.4	5.514	85
31101	Hercules	8	56 11.25	2,778	77 13 21.3	5.513	83
31102	Hercules ...c	6½	56 19.39	2,145	54 17 43.5	5.501	293
31103	Ophiuchus....	7½	56 20.97	2,947	84 32 45.7	5.499	89
31104	Hercules	9	56 21.58	2,072	52 11 12.7	5.499	79
31105	Ophiuchus....	7½	56 22.12	2,886	81 51 45.7	5.498	■
31106	Hercules	9	56 24.34	2,674	72 54 12.8	5.495	473
31107	Ophiuchus....	8½	56 25.06	3,049	89 3 52.5	5.494	291
31108	Hercules	8	56 29.10	2,404	62 39 15.9	5.488	79
31109	Ophiuchus....	6½	56 31.43	3,101	91 22 34.1	5.486	97
31110	Ophiuchus....	9½	56 34.11	3,743	117 37 9.1	5.481	568
31111	Ophiuchus....	6	56 39.07	3,471	107 19 46.6	5.474	470
31112	Draco.....	7½	56 39.16	1,369	37 6 9.6	5.474	356
31113	Draco.....	7½	56 39.16	1,369	37 6 10.1	5.474	354
31114	Ophiuchus....	8½	56 39.39	3,490	108 5 59.4	5.474	343
31115	Hercules	8	56 40.10	2,404	62 39 16.8	5.473	79
31116	Draco.....	6	56 40.11	1,369	37 6 6.1	5.473	357
31117	Hercules	6½	56 40.27	2,166	54 55 22.0	5.473	293
31118	Hercules	6	56 41.28	2,166	54 55 20.2	5.471	77
31119	Ophiuchus....	7½	56 42.98	3,536	109 56 13.3	5.469	344
31120	Hercules	8	16 56 43.25	+2,774	77 4 38.0	+5.469	83

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31121	Hercules	8	16 56 43.76	+1,942	48° 45' 36.6"	+5.468	77
31122	Hercules	9	56 45.30	1,786	45 4 33.9	5.466	165
31123	Ophiuchus	8	56 45.86	3,128	92 34 57.8	5.466	97
31124	Ophiuchus	6½	56 46.05	2,826	79 15 54.7	5.466	86
31125	Ophiuchus	8	56 48.16	3,485	107 53 38.0	5.462	343
31126	Ophiuchus	8	56 48.97	3,635	113 43 4.8	5.460	566
31127	Hercules	7½	56 53.39	2,556	68 15 2.2	5.454	474
31128	Hercules	9	56 53.73	2,560	68 23 55.2	5.454	474
31129	Hercules	7	56 54.87	2,357	61 2 3.9	5.453	299
31130	Hercules	8	56 56.22	2,275	58 18 8.1	5.450	70
31131	Hercules ....	.	56 56.98	2,426	63 26 29.0	5.449	169
31132	Hercules	8	56 57.96	1,674	42 40 41.2	5.448	353
31133	Hercules	8	57 1.12	2,328	60 2 17.9	5.444	168
31134	Hercules	7	57 3.82	2,374	61 37 27.4	5.441	79
31135	Hercules	8	57 4.73	2,775	77 7 7.8	5.439	83
31136*	Hercules ....	.	57 5.58	1,542	40 6 49.6	5.438	358
31137	Hercules	7	57 13.60	2,712	74 29 6.0	5.426	82
31138	Ophiuchus ....	.	57 17.20	3,338	101 45 21.6	5.421	346
31139	Draco.....	9	57 25.80	1,407	37 45 56.1	5.409	357
31140	Ophiuchus	8	57 28.10	3,488	107 58 52.6	5.405	343
31141	Ophiuchus	8½	57 28.24	3,161	94 3 2.3	5.405	292
31142	Ophiuchus	8½	57 28.57	3,471	107 17 41.4	5.405	470
31143	Ophiuchus	7½	57 28.67	3,454	106 37 39.7	5.405	470
31144	Hercules ....	.	57 30.50	2,421	63 15 27.6	5.402	169
31145	Hercules	8½	57 30.86	2,580	69 10 42.8	5.401	75
31146	Hercules	8	57 34.77	2,380	61 50 24.4	5.396	79
31147	Hercules	8	57 34.88	3,374	61 37 51.4	5.396	299
31148	Ophiuchus	8	57 35.29	2,974	85 45 7.6	5.395	91
31149	Ophiuchus	7½	57 35.36	2,859	80 42 44.5	5.395	86
31150	Ophiuchus	8½	57 35.76	3,551	110 29 59.7	5.395	344
31151	Hercules	8	57 38.28	2,646	71 50 41.2	5.392	473
31152	Ophiuchus	8½	57 38.68	3,740	117 30 8.0	5.391	568
31153	Hercules	7	57 41.34	2,507	66 23 49.6	5.387	469
31154	Hercules	8	57 43.84	2,588	69 29 50.2	5.384	75
31155	Hercules ....	.	57 44.68	2,423	63 21 42.6	5.383	169
31156	Draco.....	8	57 45.07	1,466	38 46 12.8	5.381	357
31157	Ophiuchus	8	57 48.62	3,416	105 2 36.9	5.376	347
31158	Hercules	6	57 50.68	2,539	67 38 4.4	5.374	474
31159	Ophiuchus	9	57 50.70	3,236	97 21 35.8	5.374	288
31160	Hercules	5½	16 57 50.94	+2,539	67 38 4.5	+5.374	469

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31161	Hercules	7½	16 57 51.04	+2,329	60 5 49.6	+5.373	168
31162	Ophiuchus	57 51.64	2,786	77 35 53.2	5.373	85
31163	Ophiuchus	6	57 55.01	3,088	90 48 10.8	5.368	95
31164	Ophiuchus	9	57 59.58	2,950	84 40 21.1	5.362	89
31165	Hercules	8½	58 2.70	2,067	52 6 56.7	5.357	79
31166	Ophiuchus	7½	58 5.72	3,549	110 24 28.8	5.353	344
31167	Hercules	9	58 8.64	2,588	69 29 55.9	5.348	75
31168	Ophiuchus	8	58 11.65	3,181	94 55 8.5	5.344	292
31169	Ophiuchus	9	58 20.80	3,440	106 2 33.4	5.331	470
31170	Ophiuchus	9	58 22.21	3,482	107 44 41.8	5.330	343
31171	Ophiuchus	6	58 23.66	3,151	93 36 7.8	5.327	292
31172	Hercules	8½	58 24.87	2,649	71 55 42.2	5.326	473
31173	Ophiuchus	7	58 27.25	2,963	85 17 20.0	5.322	89
31174	Ophiuchus	8	58 28.51	2,963	85 17 30.3	5.321	91
31175	Hercules	9	58 28.59	2,056	51 49 2.2	5.321	79
31176	Ophiuchus	6½	58 30.20	3,493	108 9 57.7	5.319	343
31177	Ophiuchus	9	58 32.42	3,028	88 9 3.9	5.315	291
31178	Hercules	8½	58 33.61	2,539	67 38 19.3	5.314	474
31179	Ophiuchus	8½	58 34.96	2,878	81 34 5.3	5.312	88
31180	Hercules	8½	58 35.26	2,434	63 46 17.7	5.311	169
31181	Ophiuchus	8	58 35.44	3,662	114 40 42.6	5.311	566
31182	Ophiuchus	8	58 35.68	2,829	79 25 27.0	5.310	86
31183	Hercules	8	58 38.15	2,712	74 30 59.4	5.308	82
31184	Hercules	8	58 39.27	+2,196	55 52 33.1	5.306	77
31185	Draco.....	9	58 40.24	-0,290	21 0 7.4	5.304	356
31186	Hercules ....	.	58 41.96	+2,427	63 31 7.5	5.302	169
31187	Ophiuchus	7½	58 43.38	3,437	105 54 3.5	5.300	470
31188	Ophiuchus	6	58 45.13	3,303	100 14 57.6	5.298	472
31189	Ophiuchus	9½	58 46.94	2,876	81 28 52.0	5.294	88
31190	Hercules	9	58 55.72	2,304	59 18 33.3	5.282	168
31191	Ophiuchus .. 7	.	58 55.89	3,427	105 27 53.5	5.282	170
31192	Hercules	6½	58 59.37	1,820	45 54 30.6	5.277	165
31193	Ophiuchus	8	59 1.67	2,979	85 58 9.3	5.273	91
31194	Hercules	9½	59 3.61	2,539	67 39 25.2	5.271	474
31195	Ophiuchus	9	59 6.42	3,665	114 45 51.5	5.267	566
31196	Ophiuchus	9	59 6.98	3,257	98 15 8.5	5.266	288
31197	Hercules	9	59 11.83	2,663	72 29 15.9	5.260	473
31198	Ophiuchus	8	59 11.84	2,959	85 6 52.3	5.260	89
31199	Ophiuchus	6½	59 12.52	3,549	110 22 51.5	5.259	344
31200	Ophiuchus	8	16 59 13.39	+3,606	110 33 25.8	+5.259	344

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31201	Hercules	8½	16 59 15,16	+2,285	58 42 6,4	+5,255	70
31202	Draco.....	9	59 17,17	-0,341	20 43 32,6	5,252	356
31203	Hercules	9	59 26,66	+2,283	58 37 55,2	5,238	70
31204	Hercules	8	59 26,77	2,192	55 47 24,6	5,238	77
31205	Hercules	8½	59 28,23	1,932	48 36 40,3	5,236	77
31206	Ophiuchus	8	59 28,53	3,065	89 46 37,8	5,236	95
31207	Hercules	8	59 29,99	2,472	65 8 55,5	5,234	475
31208*	Hercules	8	59 30,41	2,472	65 8 55,5	5,234	469
31209	Ophiuchus	7½	59 30,57	3,449	106 22 5,1	5,234	470
31210	Ophiuchus	6	59 31,40	3,354	102 25 58,0	5,232	346
31211	Hercules	7½	59 31,54	2,145	54 24 2,8	5,232	293
31212	Ophiuchus	7	59 31,64	3,544	110 9 38,7	5,231	344
31213	Hercules	7½	59 33,66	2,372	61 36 21,8	5,229	299
31214	Hercules	7½	59 33,81	2,372	61 36 26,2	5,229	79
31215	Ophiuchus	9	59 34,78	2,839	79 52 1,2	5,228	86
31216	Hercules	8½	59 35,02	2,374	61 41 14,3	5,228	79
31217	Hercules	8	59 36,50	2,567	68 44 45,4	5,225	474
31218	Ophiuchus	8	59 38,30	3,010	85 47 49,7	5,223	91
31219	Hercules	8	59 40,22	2,773	77 4 3,5	5,219	83
31220*	Ophiuchus	9	59 44,29	2,883	81 46 40,0	5,214	88
31221	Ophiuchus	7	59 45,48	3,721	116 46 39,6	5,212	567
31222	Hercules	8	59 45,85	2,400	62 35 37,7	5,212	299
31223	Hercules	9	59 47,34	2,584	69 22 31,9	5,210	75
31224	Ophiuchus	7½	59 53,27	3,081	90 29 42,2	5,201	95
31225	Ophiuchus	8½	59 53,33	3,491	108 4 36,8	5,201	343
31226	Ophiuchus	7	59 54,27	3,742	117 30 3,2	5,200	568
31227	Ophiuchus	6½	59 57,58	3,672	114 59 33,2	5,195	566
31228	Hercules	7½	59 57,83	2,401	62 37 46,7	5,195	299
31229	Hercules	7	59 58,94	2,718	74 46 13,0	5,193	82
31230	Ophiuchus	7½	16 59 59,02	3,446	106 13 42,3	5,193	470
31231	Ophiuchus	7½	17 0 3,57	3,053	89 15 15,0	5,186	291
31232	Hercules	9	0 5,54	+2,601	70 2 49,6	5,184	75
31233	Draco.....	8	0 8,89	-0,292	21 1 53,2	5,180	356
31234	Hercules	8½	0 11,73	+2,299	59 10 53,6	5,175	168
31235	Ophiuchus	8	0 13,15	2,953	84 49 50,3	5,174	89
31236	Ophiuchus	7	0 14,35	2,834	79 41 12,6	5,171	80
31237	Hercules	8	0 15,28	1,925	48 27 29,7	5,170	77
31238	Ophiuchus	8½	0 15,31	3,671	114 58 0,8	5,170	566
31239	Hercules	8½	0 15,74	2,032	51 13 53,9	5,170	289
31240	Hercules	6½	17 0 17,21	+2,474	65 14 31,5	+5,167	475

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31241	Hercules	17	0	17,86	+2,690	73 38' 6,1	+5,166	85
31242	Hercules	6		0	17,88	2,474	65 14 33,6	5,166	469
31243	Hercules	7		0	18,07	2,474	65 14 33,8	5,166	475
31244	Hercules	7½		0	18,12	2,474	65 14 33,8	5,166	169
31245	Hercules	9		0	19,01	2,195	55 54 16,2	5,165	77
31246	Ophiuchus	8		0	19,07	2,942	84 20 37,5	5,165	89
31247	Ophiuchus	8		0	20,47	3,609	112 40 1,1	5,163	474
31248	Hercules	7		0	24,05	2,278	58 31 24,6	5,158	70
31249	Hercules	7		0	26,33	2,368	61 29 25,5	5,154	79
31250	Hercules	7		0	27,19	2,368	61 29 25,4	5,153	299
31251	Ophiuchus	9		0	32,43	3,296	99 55 0,2	5,146	472
31252	Hercules	8½		0	33,73	2,299	59 10 53,3	5,144	168
31253	Serpens	7½		0	37,14	3,401	104 21 28,2	5,140	347
31254	Hercules ....	.		0	39,54	2,067	52 12 4,5	5,136	79
31255	Ophiuchus	7		0	42,03	3,575	111 20 55,9	5,133	474
31256	Ophiuchus	6½		0	42,50	3,575	111 20 50,0	5,132	344
31257	Ophiuchus	8½		0	44,29	3,670	114 55 2,3	5,129	566
31258	Ophiuchus	9		0	45,72	3,497	108 17 5,1	5,128	343
31259	Hercules	6		0	56,78	2,123	53 47 46,7	5,112	293
31260	Hercules	7½		0	57,85	2,538	67 38 26,0	5,110	474
31261	Ophiuchus	9		1	4,95	3,473	107 20 8,9	5,100	343
31262	Hercules	8		1	8,23	1,797	45 28 26,2	5,095	165
31263*	Ophiuchus	8		1	8,86	3,169	94 22 51,3	5,094	292
31264	Hercules	7		1	15,50	1,954	49 12 51,6	5,086	289
31265	Ophiuchus	8		1	19,74	3,139	93 5 23,8	5,079	97
31266	Hercules	1		1	22,34	1,818	45 57 18,1	5,076	353
31267	Hercules	1		1	22,37	1,818	45 57 25,0	5,076	353
31268	Hercules	8		1	26,09	2,214	56 30 41,2	5,070	77
31269	Hercules	8½		1	28,04	2,057	51 57 16,8	5,067	79
31270	Hercules	7		1	28,66	2,777	77 16 26,9	5,066	85
31271	Hercules	7½		1	30,59	2,211	56 26 2,2	5,064	77
31272	Ophiuchus	7		1	30,62	2,958	85 3 0,1	5,064	89
31273	Ophiuchus	6½		1	30,65	2,957	85 3 7,4	5,064	91
31274	Ophiuchus	7½		1	30,99	3,745	117 32 40,8	5,064	568
31275*	Hercules	6		1	31,94	2,777	77 16 21,9	5,062	83
31276	Ophiuchus	7½		1	32,34	3,086	90 43 50,9	5,062	95
31277	Hercules ....	.		1	43,93	1,889	47 38 12,1	5,046	77
31278	Hercules	8		1	52,13	2,718	74 49 15,2	5,034	82
31279	Hercules	7½		1	52,42	2,418	63 16 56,9	5,034	79
31280	Hercules	7	17	1	52,90	+2,418	63 17 3,2	+5,033	475

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31281	Hercules	8	17 1 53.15	+2,293	59 1 59.6	+5.032	168
31282	Ophiuchus	8½	1 57.30	3,308	100 25 47.1	5.024	472
31283	Hercules	8	1 58.91	1,800	45 33 47.9	5.024	165
31284	Ophiuchus	8½	1 58.91	2,867	81 7 4.1	5.024	86
31285	Hercules	8	2 1.19	2,304	59 23 3.0	5.021	168
31286	Serpens	8	2 1.51	3,356	102 28 21.9	5.020	346
31287	Ophiuchus	7½	2 4.76	3,081	90 30 59.2	5.016	95
31288	Ophiuchus	6	2 6.76	2,884	81 51 3.9	5.013	88
31289	Ophiuchus	7	2 10.78	3,424	105 17 16.9	5.007	470
31290	Ophiuchus	8	2 12.92	3,156	93 47 49.4	5.004	292
31291	Ophiuchus	8½	2 14.34	3,087	90 45 25.5	5.002	95
31292	Hercules . . . .	.	2 16.11	2,208	56 22 13.6	4.999	77.
31293	Ophiuchus	9	2 27.24	3,115	92 0 56.8	4.984	97
31294	Ophiuchus	8	2 37.31	3,641	113 48 48.0	4.970	566
31295	Hercules	8	2 37.72	2,560	68 31 32.9	4.969	474
31296	Ophiuchus	9	2 40.60	3,276	99 2 0.3	4.965	288
31297	Ophiuchus	8½	2 44.74	2,841	79 59 3.9	4.960	86
31298	Hercules	6	2 45.96	2,479	65 30 28.6	4.958	475
31299	Ophiuchus	8	2 45.99	3,471	107 12 59.9	4.958	343
31300	Hercules	6½	2 46.89	2,479	65 30 27.8	4.957	475
31301	Hercules	7½	2 47.87	2,037	51 26 56.6	4.955	79
31302	Ophiuchus	8½	2 49.17	3,710	116 17 13.7	4.953	567
31303	Ophiuchus	8½	2 51.11	3,426	105 21 49.4	4.950	470
31304	Hercules	7	2 52.61	2,729	75 15 28.1	4.948	82
31305	Hercules	7	2 53.03	2,729	75 15 31.4	4.948	83
31306	Hercules	7½	2 59.35	2,585	69 29 43.4	4.939	475
31307	Ophiuchus	8	2 59.62	3,560	110 43 13.7	4.939	344
31308	Hercules	7	2 59.86	2,479	65 29 36.5	4.938	475
31309	Ophiuchus	6	3 2.29	2,821	79 9 36.0	4.934	85
31310	Ophiuchus	5½	3 2.61	2,821	79 9 35.4	4.934	86
31311	Ophiuchus	5	3 4.26	3,710	116 17 39.9	4.932	567
31312	Hercules	6	3 4.39	1,941	48 57 54.8	4.932	289
31313	Hercules	5	3 4.62	1,941	48 57 59.3	4.932	77
31314	Ophiuchus	8	3 16.08	2,798	78 9 6.3	4.915	85
31315	Ophiuchus	8½	3 17.46	3,256	98 9 36.1	4.914	288
31316	Hercules	7½	3 17.73	2,246	57 33 40.0	4.913	70
31317	Hercules	7½	3 18.92	2,277	58 34 13.2	4.911	70
31318	Hercules	9	3 19.96	2,587	69 35 48.3	4.909	75
31319	Ophiuchus	6	3 20.73	2,887	82 0 8.6	4.908	88
31320	Hercules	7½	17 3 32.29	+2,559	68 31 14.8	+4.893	474

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			h	m	s	s			
31321	Hercules	7½	17	3	33.63	+2,284	58° 47' 40.3"	+4,891	70
31322	Hercules	8		3	34.27	2,613	70 37 11.6	4,889	75
31323	Hercules	9		3	34.72	2,295	59 9 3.9	4,889	168
31324	Hercules	8		3	47.63	1,944	49 3 25.7	4,871	77
31325	Ophiuchus	8		3	50.61	3,158	93 55 2.3	4,866	292
31326	Hercules	8½		3	54.72	2,451	64 30 17.3	4,861	475
31327	Hercules . . . .	.		3	55.82	2,451	64 30 13.5	4,859	169
31328	Hercules	8		4	2.24	2,562	68 37 44.8	4,850	474
31329	Ophiuchus	8½		4	2.75	3,166	94 14 18.1	4,850	292
31330	Ophiuchus	8		4	6.79	2,952	84 50 1.4	4,843	89
31331	Hercules	9		4	7.56	2,329	60 17 53.0	4,842	168
31332	Ophiuchus	7½		4	10.02	3,677	115 3 53.2	4,839	566
31333*	Hercules	8½		4	20.48	2,327	60 13 22.8	4,823	168
31334	Ophiuchus	9		4	20.75	3,438	105 51 30.0	4,823	470
31335	Hercules	9		4	23.29	2,073	52 28 49.7	4,819	79
31336	Ophiuchus	8½		4	24.59	2,961	85 12 43.3	4,818	91
31337	Ophiuchus	8		4	26.29	3,584	111 36 34.0	4,816	474
31338	Ophiuchus	8		4	27.27	3,441	105 57 10.5	4,814	470
31339	Ophiuchus	8		4	30.42	3,228	96 57 17.7	4,809	290
31340	Ophiuchus	8		4	33.15	3,121	92 15 46.4	4,806	97
31341	Ophiuchus	8		4	33.37	3,300	100 3 24.0	4,805	472
31342	Hercules	9		4	39.31	2,589	69 41 13.8	4,797	75
31343	Hercules	7½		4	42.05	2,726	75 10 47.4	4,793	83
31344	Ophiuchus	9		4	43.22	3,519	109 5 53.9	4,792	344
31345	Hercules	8		4	45.31	2,557	68 26 47.5	4,788	474
31346	Ophiuchus	7½		4	52.61	2,787	77 42 53.1	4,777	85
31347	Hercules	8½		4	53.24	1,999	50 29 30.7	4,777	289
31348	Hercules	9		4	54.02	2,349	61 9 13.7	4,776	168
31349	Hercules	7½		4	55.21	2,457	64 45 56.5	4,774	475
31350	Hercules . . . .	.		4	55.97	2,457	64 45 58.3	4,773	169
31351	Ophiuchus	9		4	56.52	3,747	117 31 53.7	4,773	568
31352	Hercules	8		5	0.18	2,682	73 24 7.5	4,767	82
31353	Hercules	8		5	1.05	1,686	43 11 19.8	4,766	353
31354	Ophiuchus	9		5	3.08	3,489	107 53 59.0	4,763	343
31355	Hercules	8		5	4.90	2,518	67 0 27.3	4,761	475
31356	Ophiuchus	8		5	5.58	3,484	107 40 25.5	4,760	343
31357	Hercules	6½		5	6.95	2,553	68 19 30.4	4,757	474
31358	Hercules	8		5	11.23	1,563	40 46 54.4	4,752	358
31359	Hercules	8		5	13.68	2,374	61 49 20.5	4,749	299
31360	Hercules	7½	17	5	14.05	+2,726	75 12 20.1	+4,747	83

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			h m s	s	° ' "	"	
31361	Ophiuchus	9	17 5 21,52	+3,485	107 44 30,8	+4,737	343
31362	Hercules	7½	5 26,59	2,612	70 34 49,6	4,731	75
31363	Hercules	7	5 28,96	1,900	48 1 26,7	4,728	77
31364	Hercules	9	5 30,46	2,350	61 0 38,2	4,725	168
31365	Hercules .. α	2	5 32,05	2,730	75 22 14,2	4,723	473
31366	Hercules .. α	2½	5 32,14	2,730	75 22 12,3	4,723	83
31367	Ophiuchus	3	5 37,69	3,428	105 23 32,5	4,714	347
31368	Hercules	8	5 43,97	2,073	52 32 11,1	4,706	79
31369	Draco	8	5 46,94	0,684	28 35 20,3	4,701	355
31370	Hercules	7½	5 47,66	2,145	54 35 27,1	4,700	293
31371	Ophiuchus	8	5 49,38	3,650	114 2 58,5	4,698	474
31372	Ophiuchus	5	5 49,39	3,650	114 3 13,6	4,698	474
31373	Ophiuchus	•	5 49,70	3,650	114 3 16,0	4,697	566
31374	Ophiuchus	9	5 49,80	3,650	114 3 2,8	4,697	566
31375	Ophiuchus	8½	5 50,64	3,003	87 4 50,1	4,696	91
31376	Ophiuchus	7½	5 55,25	3,644	113 50 3,5	4,689	474
31377	Ophiuchus	7	5 55,36	3,644	113 50 13,6	4,689	566
31378	Draco	7	5 56,08	1,365	37 20 27,0	4,688	356
31379	Ophiuchus	8½	5 58,82	3,309	100 26 39,8	4,685	472
31380	Ophiuchus	8	5 58,84	2,918	83 22 5,0	4,685	89
31381	Hercules	8½	5 59,13	2,706	74 21 49,4	4,684	82
31382	Hercules	9	6 4,46	2,347	60 57 15,0	4,677	168
31383	Ophiuchus	8½	6 9,49	2,789	77 50 39,5	4,670	85
31384	Ophiuchus	6½	6 10,26	3,037	88 33 12,9	4,669	291
31385	Hercules	9½	6 13,36	1,572	40 58 21,7	4,664	358
31386	Hercules	8	6 14,78	2,136	54 19 40,6	4,662	293
31387	Hercules	7	6 17,41	1,815	46 1 40,3	4,658	165
31388	Hercules	7	6 17,80	2,598	70 4 9,4	4,658	75
31389	Hercules	7	6 17,87	2,646	71 57 37,9	4,658	80
31390	Hercules	8	6 20,60	2,717	74 51 0,8	4,653	82
31391	Ophiuchus	5½	6 21,30	3,074	90 12 28,4	4,653	95
31392	Ophiuchus	6	6 23,11	3,015	87 34 35,7	4,650	291
31393	Ophiuchus	8½	6 23,52	3,314	100 37 2,5	4,649	472
31394	Hercules	9	6 25,31	1,898	48 0 2,3	4,647	77
31395	Hercules	8½	6 25,35	2,324	60 11 21,9	4,647	168
31396	Hercules	7	6 26,73	2,427	63 42 22,0	4,645	475
31397	Ophiuchus	•	6 29,89	3,130	92 38 29,2	4,640	97
31398	Hercules	8	6 31,24	2,481	65 40 49,6	4,638	475
31399	Ophiuchus	9	6 35,48	2,814	78 52 18,8	4,632	85
31400	Ophiuchus	8	17 6 38,43	+2,947	84 38 14,9	+4,628	89

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			h m s	s	° ' "	"	
31401	Ophiuchus	8	17 6 38.78	+2,987	86° 21' 37.3	+4,628	91
31402	Hercules	9½	6 39.63	1,812	45 58 49.1	4,627	165
31403	Serpens	8½	6 40.53	3,348	102 4 52.5	4,625	346
31404	Ophiuchus	7½	6 41.72	3,438	105 48 1.5	4,624	470
31405	Hercules	7	6 44.27	2,007	50 46 19.4	4,619	289
31406	Hercules	7	6 44.32	2,645	71 55 58.8	4,619	80
31407	Hercules .. δ	3	6 48.47	2,460	64 54 53.4	4,614	475
31408	Ophiuchus	6	6 49.11	3,445	106 5 3.1	4,613	470
31409	Hercules .. δ	4	6 49.26	2,460	64 54 52.1	4,613	299
31410	Hercules .. δ	4	6 49.54	2,460	64 54 52.8	4,613	169
31411	Hercules .. δ	4	6 50.14	2,460	64 54 54.3	4,613	469
31412	Hercules	8½	6 53.50	2,056	52 5 12.0	4,607	79
31413	Ophiuchus	9	6 55.73	3,554	110 24 42.6	4,604	344
31414	Ophiuchus	9	7 0.74	3,550	110 16 11.6	4,596	344
31415	Ophiuchus	9	7 5.37	2,808	78 38 54.2	4,589	85
31416	Ophiuchus	8	7 12.68	2,980	86 4 47.5	4,579	91
31417	Hercules	7½	7 13.27	1,883	47 39 15.6	4,579	77
31418	Hercules	6	7 22.36	2,490	66 1 23.9	4,566	475
31419	Hercules	8	7 23.09	2,102	53 23 39.5	4,564	293
31420	Hercules	9	7 26.96	2,757	76 30 5.8	4,559	83
31421	Hercules	8	7 27.08	2,723	75 5 19.5	4,559	82
31422	Ophiuchus	7	7 31.69	3,022	87 53 40.1	4,553	291
31423	Hercules	8	7 32.19	2,301	59 27 51.9	4,552	70
31424	Hercules	8	7 32.73	2,301	59 27 55.6	4,551	168
31425	Hercules	7½	7 38.47	1,739	44 23 21.0	4,543	353
31426	Ophiuchus	8	7 39.37	3,299	99 59 28.1	4,541	472
31427	Ophiuchus	8½	7 39.83	3,086	90 43 39.0	4,541	95
31428	Hercules	7	7 41.88	2,640	71 44 54.0	4,538	80
31429	Ophiuchus	8	7 46.36	3,511	108 43 32.0	4,532	343
31430	Hercules	8½	7 48.75	2,326	60 17 41.4	4,529	168
31431	Ophiuchus	7½	7 50.55	2,910	83 0 37.2	4,526	88
31432	Hercules	9	7 53.26	2,440	64 12 7.5	4,522	475
31433	Hercules	8½	7 53.76	2,440	64 12 1.4	4,522	169
31434	Hercules	7	7 57.31	2,760	76 37 53.8	4,516	83
31435	Ophiuchus	7½	7 57.76	3,082	90 32 9.3	4,515	95
31436	Hercules	9	7 58.23	2,245	57 39 51.6	4,515	70
31437	Hercules	8	7 59.58	2,723	75 5 25.3	4,513	82
31438	Hercules	7	7 59.73	2,395	62 37 42.6	4,512	299
31439	Hercules .. π	3½	8 4.66	2,086	52 57 24.2	4,506	79
31440	Ophiuchus	6½	17 8 5.28	+2,993	86 37 44.1	+4,505	91

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			h	m	s	s	° ' "	"	
31441	Ophiuchus	8	17	8	8,41	+3,531	109 28 44,3	+4,501	344
31442	Ophiuchus	8		8	8,64	2,825	79 21 9,1	4,500	86
31443	Ophiuchus	8		8	11,51	3,538	109 45 17,4	4,496	344
31444	Hercules	8		8	11,96	2,756	76 27 35,4	4,496	83
31445	Draco ζ	4		8	13,57	0,148	24 2 17,4	4,492	386
31446	Hercules	8		8	13,61	2,710	74 35 16,6	4,492	82
31447	Ophiuchus	6		8	15,23	3,481	107 31 54,1	4,490	343
31448	Hercules	8½		8	17,70	2,142	54 33 30,4	4,487	293
31449	Hercules	8		8	19,12	2,581	69 26 0,5	4,485	75
31450	Ophiuchus	8		8	20,22	3,110	91 47 28,4	4,483	97
31451	Ophiuchus	8		8	23,27	3,163	94 4 56,7	4,479	292
31452*	Ophiuchus	7		8	24,86	3,128	92 34 56,2	4,477	97
31453	Hercules	7		8	24,96	2,159	55 3 35,9	4,477	293
31454	Ophiuchus	9		8	25,36	3,737	117 7 16,5	4,476	568
31455	Hercules	6½		8	25,88	2,159	55 3 33,1	4,476	77
31456	Hercules	7½		8	26,23	1,878	47 33 37,9	4,475	77
31457	Hercules	9		8	33,77	2,411	63 11 28,0	4,465	299
31458	Ophiuchus	8½		8	35,17	3,740	117 11 56,0	4,462	568
31459	Hercules	8		8	38,74	1,746	44 34 44,4	4,458	353
31460	Draco	7½		8	39,16	0,966	31 47 45,7	4,457	355
31461	Ophiuchus	7½		8	45,26	2,846	80 15 13,3	4,448	86
31462	Ophiuchus	6½		8	50,37	3,522	109 6 23,3	4,441	343
31463	Ophiuchus	7½		8	54,87	3,127	92 31 32,9	4,434	97
31464	Ophiuchus . . . ζ	5		8	55,32	3,567	110 52 58,8	4,434	172
31465	Hercules	8		8	59,65	2,407	63 3 39,7	4,428	299
31466	Hercules	8½		9	0,51	2,425	63 42 53,8	4,426	475
31467	Hercules	8½		9	0,87	2,425	63 42 58,4	4,426	169
31468	Hercules	7½		9	1,90	2,577	69 19 2,1	4,425	75
31469	Ophiuchus	4		9	1,91	3,567	110 52 58,9	4,425	344
31470	Hercules	9		9	1,99	2,577	69 19 0,1	4,424	474
31471	Hercules	7½		9	3,44	2,431	63 54 0,0	4,422	475
31472	Draco	8½		9	3,84	1,367	37 27 43,0	4,422	357
31473	Hercules	7		9	3,85	2,431	63 54 3,6	4,422	169
31474	Hercules	7		9	5,17	2,662	72 39 2,5	4,420	80
31475	Serpens	9		9	5,21	3,311	100 28 44,9	4,420	472
31476	Ophiuchus	6½		9	6,19	2,925	83 41 36,6	4,419	■
31477	Ophiuchus	6½		9	6,59	2,925	83 41 36,0	4,418	89
31478	Ophiuchus	8		9	9,19	3,248	97 47 25,5	4,414	288
31479	Serpens	8½		9	9,25	3,364	102 43 35,0	4,414	346
31480	Hercules	8½	17	9	9,77	+2,444	64 22 37,5	+4,414	475

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			h m s	s	° ' "	"	
31481	Hercules	8	17 9 10,80	+2,444	64 22 49,1	+4,412	169
31482	Hercules	6	9 12,63	2,657	72 27 29,1	4,410	80
31483	Hercules	6½	9 12,90	2,507	66 40 58,6	4,409	475
31484	Ophiuchus	5½	9 12,96	2,814	78 54 28,5	4,409	85
31485	Ophiuchus	6	9 17,44	3,200	95 41 12,7	4,402	290
31486	Ophiuchus	7½	9 17,66	3,157	93 49 38,8	4,401	292
31487	Ophiuchus	7	9 26,44	3,669	114 41 13,3	4,389	566
31488	Ophiuchus	9	9 26,66	3,616	112 42 31,0	4,389	474
31489	Hercules	8	9 28,77	1,900	48 7 31,9	4,386	77
31490	Serpens v	4	9 35,19	3,362	102 37 47,5	4,377	346
31491	Hercules	•	9 38,07	2,717	74 53 37,2	4,373	82
31492	Ophiuchus	8½	9 39,18	3,190	95 17 21,3	4,371	290
31493	Ophiuchus	8	9 39,71	3,191	95 17 22,8	4,370	292
31494	Ophiuchus	7	9 42,32	3,016	87 38 33,1	4,367	291
31495	Ophiuchus .. θ	3½	9 44,22	3,672	114 47 2,3	4,364	566
31496	Ophiuchus	8	9 45,11	3,072	90 6 25,6	4,363	95
31497	Ophiuchus	8	9 45,36	3,611	112 31 56,3	4,362	474
31498	Hercules	•	9 45,46	2,342	60 51 46,2	4,362	168
31499	Serpens	7½	9 45,49	3,368	102 51 57,4	4,362	346
31500	Serpens	6½	9 48,23	3,311	100 28 44,9	4,358	472
31501	Hercules	7½	9 53,29	2,262	58 14 54,3	4,351	71
31502	Ophiuchus	7½	9 53,30	2,852	80 31 50,3	4,351	86
31503	Hercules	•	9 53,93	2,347	61 2 33,4	4,350	168
31504	Ophiuchus	7½	9 55,03	2,807	78 36 26,7	4,349	85
31505	Hercules .. u	4½	9 57,05	2,211	56 40 31,9	4,346	77
31506	Ophiuchus	7½	9 59,25	3,554	110 21 11,8	4,343	344
31507	Hercules	8	10 0,57	2,498	66 20 39,0	4,341	475
31508	Ophiuchus	8	10 2,15	3,671	114 43 43,7	4,339	566
31509	Hercules	8½	10 4,19	2,264	58 19 42,3	4,336	71
31510	Ophiuchus	8½	10 6,05	2,915	83 14 1,7	4,333	89
31511	Ophiuchus	7½	10 6,07	2,915	83 13 58,4	4,333	88
31512	Hercules	8	10 6,46	2,342	60 52 6,1	4,332	168
31513	Ophiuchus	9	10 6,72	3,497	108 6 54,1	4,332	343
31514	Ophiuchus	•	10 8,25	3,120	92 12 13,5	4,330	97
31515	Hercules	8	10 10,70	2,542	68 0 25,4	4,326	474
31516	Hercules	8	10 16,06	1,986	50 18 53,8	4,319	289
31517	Hercules	8	10 17,46	+2,055	52 9 50,2	4,317	79
31518	Draco.....	8	10 17,71	-0,411	20 34 7,6	4,316	358
31519	Draco.....	9	10 18,24	-0,016	22 56 32,5	4,316	356
31520	Hercules	8½	17 10 18,45	+2,758	76 35 38,6	+4,315	83

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			h m s	s	° ' "	"	
31521	Draco.....	8	17 10 21.12	+0,917	31 14 34.5	+4,311	355
31522	Hercules	9	10 21,29	1,764	45 0 53.5	4,311	353
31523	Hercules	7	10 22,26	2,432	63 58 30,0	4,310	475
31524	Hercules	7½	10 22,52	2,432	63 58 32,2	4,309	169
31525	Hercules	8	10 23,74	2,400	62 50 29,2	4,308	299
31526	Draco.....	8	10 38,24	0,066	23 30 18,9	4,287	386
31527	Draco.....	9	10 39,53	0,066	23 30 21,6	4,285	361
31528	Ophiuchus....	7	10 41,27	2,846	80 18 15,5	4,283	86
31529	Ophiuchus....	8½	10 43,50	2,989	86 27 40,5	4,280	91
31530	Ophiuchus....	9	10 43,88	3,070	90 1 1,9	4,280	95
31531	Hercules	7½	10 45,86	2,109	53 41 8,7	4,277	293
31532	Hercules .. e	5	10 46,42	2,067	52 29 24,3	4,276	79
31533	Ophiuchus....	5½	10 47,31	3,762	117 56 1,5	4,274	568
31534	Hercules	8½	10 50,43	2,072	52 37 41,5	4,270	79
31535	Ophiuchus....	8	10 50,60	3,546	110 0 54,0	4,270	344
31536	Draco.....	6½	10 50,69	0,490	26 53 46,1	4,270	355
31537	Ophiuchus....	9	10 50,79	3,546	110 0 58,7	4,270	172
31538	Hercules	7½	10 51,77	2,605	70 25 2,5	4,268	75
31539	Hercules	8	10 52,65	2,687	73 39 46,9	4,267	82
31540	Ophiuchus....	8	10 52,90	3,676	114 53 19,6	4,266	566
31541	Hercules	8	10 53,39	2,607	70 30 30,6	4,266	75
31542	Ophiuchus....	7½	10 55,81	2,853	80 35 25,8	4,262	86
31543	Ophiuchus....	8	10 57,74	3,482	107 29 35,4	4,260	343
31544	Hercules ....	.	10 58,19	1,836	46 38 27,8	4,259	165
31545	Hercules	6½	10 58,44	2,344	60 57 30,7	4,258	168
31546	Ophiuchus....	7	11 1,61	3,032	88 21 33,3	4,254	291
31547	Hercules	7	11 1,66	2,692	73 53 56,5	4,254	82
31548	Ophiuchus....	9	11 2,19	3,080	90 26 15,7	4,253	95
31549	Ophiuchus....	7½	11 3,95	2,917	83 21 9,1	4,251	88
31550	Ophiuchus....	7½	11 4,71	2,917	83 21 4,4	4,249	89
31551	Serpens	8	11 4,95	3,320	100 50 46,1	4,249	472
31552	Ophiuchus....	9	11 6,08	3,545	110 0 21,6	4,247	172
31553	Ophiuchus....	8	11 6,30	3,545	110 0 21,9	4,247	344
31554	Hercules	8	11 7,04	2,536	67 50 30,1	4,246	474
31555	Ophiuchus....	8	11 7,45	3,029	88 13 54,0	4,245	291
31556	Ophiuchus....	7½	11 7,64	3,619	112 48 1,9	4,245	474
31557	Ophiuchus....	7½	11 8,47	2,848	80 21 41,4	4,244	86
31558	Hercules	8½	11 10,40	1,863	47 17 56,3	4,241	77
31559	Ophiuchus....	8	11 11,24	3,082	90 33 7,9	4,240	95
31560	Draco.....	8½	17 11 17,36	+1,395	37 58 7,0	+4,232	356

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31561	Hercules	7½	17 11 24.53	+2,218	56 54 47.3	+4,221	77
31562	Hercules	7	11 25,29	2,389	62 29 56,6	4,220	299
31563	Hercules	7½	11 26,65	2,687	73 41 11,6	4,218	82
31564	Ophiuchus	8	11 29,19	3,526	109 14 28,0	4,215	344
31565	Hercules	8½	11 29,26	2,608	70 34 12,4	4,214	75
31566	Hercules	7	11 29,28	3,367	61 45 30,9	4,214	299
31567	Hercules	8	11 29,64	2,690	73 47 20,7	4,214	82
31568	Hercules	5	11 29,92	2,638	71 43 34,0	4,213	80
31569	Ophiuchus	8	11 30,83	2,977	85 57 31,2	4,212	91
31570	Serpens	8½	11 30,92	3,360	102 31 55,7	4,212	346
31571	Draco	8	11 36,42	0,921	31 19 34,7	4,205	355
31572	Hercules	6½	11 40,27	2,010	50 58 27,1	4,199	289
31573	Draco	8½	11 44,48	1,465	39 10 43,3	4,193	358
31574	Ophiuchus	8½	11 45,84	3,489	107 45 53,1	4,191	343
31575	Hercules	8	11 52,00	2,663	72 44 55,2	4,182	80
31576	Ophiuchus	7	11 53,62	3,642	113 38 22,5	4,180	474
31577	Hercules	9	11 54,16	2,436	64 9 43,1	4,179	475
31578	Ophiuchus	8	11 54,81	2,990	86 29 49,0	4,178	91
31579	Hercules	9	11 55,54	2,436	64 9 43,7	4,178	169
31580	Ophiuchus	9	11 59,62	3,210	96 6 56,3	4,172	290
31581	Hercules	5½	12 0,23	2,439	64 14 58,1	4,171	475
31582	Hercules	6	12 1,03	2,439	64 14 55,7	4,169	169
31583	Hercules	8	12 1,33	1,878	47 40 31,4	4,169	77
31584	Hercules	8½	12 6,30	2,386	61 19 31,4	4,162	299
31585	Ophiuchus	6½	12 6,60	3,441	105 50 1,5	4,161	470
31586	Draco	9	12 7,32	1,333	36 59 35,9	4,160	354
31587	Draco	7½	12 8,23	1,333	36 59 37,8	4,159	357
31588	Ophiuchus	6½	12 12,69	2,950	84 47 12,3	4,153	89
31589	Hercules	7	12 15,32	2,548	68 16 13,5	4,149	474
31590	Hercules	8	12 16,83	1,901	48 14 14,8	4,147	77
31591	Hercules	9	12 17,07	1,826	46 27 28,5	4,147	165
31592	Ophiuchus	7	12 17,20	3,228	96 53 48,8	4,146	290
31593	Hercules	8	12 17,29	1,887	47 53 50,4	4,146	77
31594	Ophiuchus	7½	12 19,16	2,945	84 34 27,0	4,144	89
31595	Ophiuchus	7	12 21,29	2,840	80 3 15,3	4,140	86
31596	Ophiuchus	6½	12 25,29	3,119	92 10 39,4	4,134	97
31597	Ophiuchus	8	12 26,29	3,085	90 41 2,4	4,133	95
31598	Hercules	8	12 27,51	2,727	75 19 41,7	4,131	83
31599	Hercules	9	12 36,57	1,814	46 10 31,5	4,118	165
31600	Ophiuchus	7½	17 12 37,16	+2,794	78 7 12,6	+4,117	85

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31601	Hercules	6½	17 12 38,63	+2,671	73 3 35,1	+4,115	80
31602	Hercules	4½	12 39,64	2,467	65 17 28,2	4,113	475
31603	Hercules	4	12 40,00	2,467	65 17 29,4	4,113	469
31604	Hercules	4	12 40,54	2,467	65 17 25,6	4,112	475
31605	Ophiuchus	9	12 42,37	3,190	95 14 2,4	4,111	290
31606	Ophiuchus	6½	12 44,83	3,578	111 14 28,2	4,107	172
31607	Ophiuchus	6	12 45,23	3,579	111 14 29,3	4,106	474
31608	Hercules	8	12 47,91	2,074	52 44 39,5	4,102	79
31609	Ophiuchus	7	12 53,26	3,654	114 2 46,1	4,095	566
31610	Serpens	8	12 54,22	3,336	101 29 51,2	4,094	346
31611	Ophiuchus	6½	12 55,07	3,501	108 14 43,1	4,092	343
31612	Ophiuchus	8	12 58,67	3,121	92 55 7,8	4,087	97
31613	Hercules	9	13 1,64	2,122	54 6 21,5	4,083	293
31614	Hercules	8	13 3,01	+2,596	70 6 5,9	4,081	75
31615	Draco.....	9	13 3,18	-0,120	22 9 3,2	4,081	356
31616	Draco.....	8	13 4,77	+0,435	26 25 49,1	4,079	362
31617	Hercules	8	13 6,21	2,433	64 5 7,0	4,077	169
31618	Hercules .. 10	5	13 11,11	2,228	57 15 50,8	4,069	77
31619	Hercules .. 10	6	13 11,14	2,228	57 15 58,4	4,069	473
31620	Hercules .. 10	5½	13 11,38	2,228	57 15 50,3	4,069	71
31621	Hercules	8½	13 14,68	2,425	63 49 31,7	4,064	169
31622	Ophiuchus	8½	13 15,32	2,976	85 54 50,2	4,063	91
31623	Draco.....	8	13 17,68	1,352	37 19 31,7	4,060	356
31624	Hercules	8	13 18,07	2,719	75 0 42,6	4,059	82
31625	Draco.....	8½	13 18,58	1,352	37 19 39,2	4,059	357
31626	Hercules	7	13 20,16	2,223	57 7 4,2	4,056	473
31627	Hercules	7½	13 20,30	2,133	54 25 13,7	4,056	293
31628	Hercules	7	13 20,43	2,223	57 7 6,1	4,056	71
31629	Hercules	7	13 20,81	2,223	57 7 2,5	4,055	77
31630	Hercules	8	13 21,28	2,594	70 2 13,7	4,055	75
31631	Hercules	7½	13 22,08	2,710	74 39 32,9	4,053	82
31632	Ophiuchus	9	13 24,20	3,031	83 19 2,6	4,051	291
31633	Ophiuchus	7½	13 24,77	2,849	80 25 52,3	4,050	88
31634	Serpens	8	13 26,37	3,374	103 5 43,8	4,048	346
31635	Draco.....	8	13 28,14	1,359	37 26 45,6	4,044	356
31636	Hercules	7	13 28,72	2,560	62 38 32,8	4,043	474
31637	Draco.....	8½	13 28,78	1,359	37 26 45,1	4,043	357
31638	Hercules	7½	13 30,04	2,489	66 6 27,4	4,042	475
31639	Ophiuchus	9	13 31,64	3,776	118 20 29,5	4,040	568
31640	Hercules	8½	17 13 31,67	+2,424	63 45 18,5	+4,040	169

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31641	Draco.....	8	17 13 32.43	+1,180	34 43 33.4	+4,038	360
31642	Ophiuchus....	8	13 34.38	3,749	117 24 6.5	4,036	568
31643	Ophiuchus....	9	13 36.55	3,187	95 7 30.8	4,033	290
31644	Ophiuchus....	8	13 36.86	3,187	95 7 30.3	4,033	293
31645	Ophiuchus....	8	13 38.85	3,773	118 13 19.3	4,029	568
31646	Ophiuchus....	8½	13 38.95	3,497	108 4 59.9	4,029	343
31647	Ophiuchus....	8½	13 40.27	3,084	90 38 8.8	4,027	95
31648	Hercules	7	13 41.01	2,345	61 2 9.6	4,026	168
31649	Ophiuchus....	8	13 41.25	3,535	109 32 38.0	4,026	344
31650	Hercules	6½	13 41.27	2,345	61 2 11.6	4,026	299
31651	Hercules	8½	13 42.32	2,504	66 38 14.0	4,025	475
31652	Hercules	8½	13 46.27	2,597	70 9 25.7	4,019	75
31653	Ophiuchus....	7	13 49.26	2,846	80 19 52.9	4,015	86
31654	Hercules	9	13 50.16	+2,563	68 51 44.0	4,014	474
31655	Draco.....	8½	13 53.04	-0,446	20 26 33.3	4,010	358
31656	Hercules	8	13 54.25	+1,887	47 55 28.7	4,007	77
31657	Ophiuchus....	8½	13 55.80	3,625	112 58 25.2	4,005	474
31658	Hercules	9	13 57.67	2,562	68 45 55.9	4,002	474
31659	Hercules	8	14 0.57	2,716	74 53 57.0	3,998	82
31660	Hercules	8½	14 5.34	2,422	63 42 33.2	3,992	169
31661	Ophiuchus .. b	5	14 10.16	3,653	113 58 37.5	3,985	566
31662	Hercules	7½	14 13.88	2,456	64 54 33.6	3,979	475
31663	Hercules	8	14 20.36	2,719	75 2 8.0	3,970	82
31664	Ophiuchus....	7	14 23.98	2,867	81 11 44.7	3,965	88
31665	Ophiuchus....	5	14 24.37	2,861	80 56 59.3	3,965	88
31666	Ophiuchus....	6	14 24.48	2,861	80 56 54.6	3,965	85
31667	Ophiuchus....	7½	14 26.63	2,753	76 24 6.2	3,961	83
31668	Ophiuchus....	8	14 26.67	3,713	116 8 28.7	3,961	567
31669	Ophiuchus....	7½	14 31.86	3,269	98 38 4.1	3,954	288
31670	Hercules	7½	14 32.31	1,786	45 36 14.9	3,953	165
31671	Ophiuchus....	6	14 33.32	3,702	115 45 5.3	3,952	567
31672	Hercules	7½	14 34.77	2,116	53 58 37.9	3,950	293
31673	Hercules	7½	14 36.23	2,666	72 53 52.9	3,948	80
31674	Serpens	8½	14 37.49	3,468	106 53 22.1	3,946	470
31675	Ophiuchus....	8½	14 38.03	3,784	118 34 43.8	3,945	568
31676	Draco.....	7½	14 39.10	0,711	29 4 9.3	3,944	355
31677	Hercules	8	14 40.43	2,760	76 42 42.5	3,942	83
31678	Ophiuchus....	7½	14 42.33	2,915	83 17 0.5	3,940	89
31679	Hercules	5	14 42.42	1,691	43 33 27.2	3,939	353
31680	Ophiuchus....	7½	17 14 44.74	+3,580	111 16 34.5	+3,936	474

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31681	Ophiuchus	7½	17 14 45.02	+3,580	111 16 42.5	+3,934	344
31682	Hercules	•	14 47.86	2,085	53 5 44.7	3,931	79
31683	Hercules	8½	14 50.67	2,290	59 16 17.1	3,926	168
31684	Hercules	7½	14 53.72	2,371	61 56 36.2	3,922	299
31685	Ophiuchus	8	14 56.86	3,165	98 28 44.4	3,918	288
31686	Hercules	•	14 59.35	2,092	53 17 58.8	3,914	79
31687	Hercules	8½	15 0.31	2,431	64 2 58.1	3,913	169
31688	Hercules	8½	15 0.39	2,431	64 2 55.5	3,913	475
31689	Hercules	9	15 3.28	2,591	69 56 50.7	3,908	75
31690	Draco	7	15 4.29	+0,715	29 6 58.9	3,907	355
31691	Draco	9½	15 5.02	-0,002	23 7 32.4	3,906	361
31692	Hercules	8½	15 9.11	+1,957	49 42 23.8	3,900	289
31693	Hercules	7	15 9.70	1,592	41 36 21.5	3,899	358
31694	Hercules	6	15 9.80	1,962	49 49 12.9	3,899	289
31695	Hercules	9	15 11.87	2,326	60 27 23.2	3,896	168
31696	Serpens	7½	15 12.20	3,320	100 48 5.6	3,895	472
31697	Hercules	7½	15 14.35	1,869	47 31 56.6	3,893	77
31698	Draco	9	15 14.67	1,385	37 54 44.6	3,892	356
31699	Ophiuchus	7	15 14.88	3,217	96 23 20.5	3,892	290
31700	Draco	8	15 15.24	1,385	37 54 37.1	3,891	357
31701	Draco	9	15 17.89	0,519	27 12 58.9	3,888	362
31702	Hercules	8	15 19.77	2,198	56 23 57.7	3,886	77
31703	Hercules	8	15 20.52	2,537	67 53 7.5	3,885	474
31704	Draco	9	15 23.34	0,513	27 9 56.8	3,880	362
31705	Draco	9	15 28.92	1,397	38 7 7.5	3,872	356
31706	Draco	8	15 28.93	1,397	38 7 16.1	3,872	357
31707	Ophiuchus	7½	15 30.94	+2,917	83 22 37.2	3,869	89
31708	Draco	8	15 32.39	-0,115	22 23 37.3	3,868	356
31709	Hercules	5½	15 34.75	+2,681	73 30 13.2	3,864	80
31710	Hercules	8	15 35.56	1,690	43 33 56.5	3,863	353
31711	Ophiuchus	9	15 37.82	2,856	80 46 17.7	3,859	86
31712	Serpens	6	15 41.12	3,438	105 39 59.3	3,855	471
31713	Hercules	9½	15 43.42	2,335	60 44 18.2	3,851	168
31714	Ophiuchus	8½	15 43.73	2,754	76 28 46.6	3,851	83
31715	Hercules	5½	15 43.95	2,508	66 50 34.9	3,850	475
31716	Hercules	6	15 44.13	2,508	66 50 36.3	3,850	469
31717	Draco	9½	15 45.22	0,001	23 9 30.0	3,849	361
31718	Ophiuchus	7	15 46.66	2,859	80 52 52.9	3,847	86
31719	Draco	8	15 48.03	1,085	33 29 0.4	3,845	360
31720	Hercules	8½	17 15 48.16	+2,276	58 50 44.8	+3,844	473

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31721	Ophiuchus	6	17 15 49.35	+3,356	102 19 14.3	+3,843	346
31722	Hercules	8	15 50.82	1,874	47 39 52.5	3,841	77
31723	Ophiuchus	9½	15 53.30	3,500	108 9 35.0	3,837	170
31724	Ophiuchus	8½	15 53.42	3,500	108 9 27.1	3,837	343
31725	Ophiuchus	8	15 54.65	2,958	85 8 57.5	3,835	91
31726	Ophiuchus	8	16 0.58	2,892	82 12 31.8	3,826	22
31727	Ophiuchus	5	16 1.61	3,182	94 53 45.1	3,825	293
31728	Hercules	7½	16 4.01	2,665	72 52 25.1	3,822	80
31729	Ophiuchus	8	16 6.29	2,981	86 6 59.1	3,819	91
31730	Hercules	9	16 10.92	2,339	60 55 3.4	3,812	168
31731	Ophiuchus	7½	16 18.64	3,691	115 19 35.7	3,801	566
31732	Ophiuchus	7	16 18.98	3,691	115 19 36.5	3,800	567
31733	Ophiuchus	9	16 20.81	3,568	110 46 55.3	3,797	172
31734	Ophiuchus	7	16 21.34	3,046	88 59 21.4	3,796	291
31735	Draco.....	7½	16 21.74	1,113	33 51 49.4	3,796	360
31736	Hercules	8	16 24.10	2,700	74 15 34.9	3,793	82
31737	Ophiuchus	7	16 35.60	3,103	91 27 54.6	3,777	97
31738	Hercules	8	16 35.78	2,589	69 53 21.1	3,777	75
31739	Serpens	7½	16 36.76	3,349	102 0 10.9	3,775	346
31740	Ophiuchus	5½	16 39.80	2,935	84 10 13.2	3,770	89
31741	Ophiuchus	6	16 39.92	2,891	82 13 4.4	3,770	22
31742	Ophiuchus	8½	16 45.81	2,893	82 19 15.5	3,761	88
31743	Ophiuchus	8½	16 46.05	2,890	82 11 34.3	3,761	22
31744	Hercules .. p	4	16 47.01	2,068	52 39 40.3	3,760	79
31745	Hercules	9	16 47.40	2,269	58 38 21.5	3,760	473
31746	Ophiuchus	8½	16 51.78	3,120	92 12 24.3	3,753	97
31747	Hercules	8	16 54.10	2,522	67 22 17.0	3,750	474
31748	Ophiuchus	9	16 54.67	3,499	108 6 53.6	3,749	343
31749	Hercules	9	16 55.57	2,092	53 21 0.5	3,748	293
31750	Hercules	8	16 56.80	2,578	69 28 43.4	3,746	75
31751	Ophiuchus ....	.	16 57.15	3,490	107 44 12.0	3,745	170
31752	Ophiuchus	8½	16 57.16	3,492	107 48 42.7	3,745	343
31753	Ophiuchus	8	16 58.95	2,747	76 12 56.6	3,743	83
31754	Hercules	6	17 0.95	2,665	72 53 45.6	3,741	80
31755	Hercules	8	17 2.09	2,215	56 57 46.4	3,739	77
31756	Hercules	8	17 3.31	2,072	52 48 0.2	3,737	79
31757	Draco.....	4½	17 5.70	0,518	27 14 50.5	3,734	362
31758	Ophiuchus	6	17 11.12	3,255	98 1 8.4	3,726	288
31759	Hercules	7	17 14.08	2,221	57 8 32.1	3,721	71
31760	Hercules	6½	17 17 14.33	+2,221	57 8 24.4	+3,721	77

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31761	Hercules	6½	17 17 14,76	+2,221	57 8 29,9	+3,720	473
31762	Hercules	7	17 14,86	2,075	52 53 10,1	3,720	79
31763	Ophiuchus	8	17 15,44	3,137	92 56 38,8	3,719	97
31764	Hercules	7	17 18,23	2,014	51 13 38,7	3,715	289
31765	Hercules	8	17 18,52	1,935	49 11 59,3	3,715	77
31766	Hercules	9	17 19,49	1,837	46 49 20,9	3,714	165
31767	Hercules	9	17 26,23	2,520	67 18 33,8	3,704	474
31768	Hercules	9	17 27,22	2,401	63 2 8,1	3,702	475
31769	Hercules	9	17 27,60	2,401	63 2 10,5	3,701	299
31770	Hercules	8½	17 28,48	1,839	46 52 59,8	3,701	165
31771	Hercules	6½	17 31,36	2,074	52 51 38,0	3,697	79
31772	Hercules	9½	17 36,99	1,836	46 48 25,7	3,689	165
31773	Ophiuchus	9	17 40,32	2,915	83 18 0,1	3,684	89
31774	Hercules	9	17 42,78	1,999	50 50 22,1	3,681	289
31775	Ophiuchus	9	17 48,16	2,743	76 1 50,0	3,673	83
31776	Ophiuchus	8	17 48,47	2,966	85 29 12,3	3,672	91
31777	Hercules	9	17 49,83	2,117	54 4 21,0	3,670	293
31778	Draco	9	17 56,77	0,509	27 10 50,7	3,660	362
31779	Hercules	9	17 57,71	1,991	50 37 41,9	3,659	289
31780	Hercules	6½	17 59,70	2,398	62 56 20,3	3,656	299
31781	Serpens	8	17 59,92	3,443	105 51 29,3	3,656	471
31782	Hercules	8	18 0,24	1,990	50 36 6,9	3,656	289
31783	Hercules	6½	18 0,37	2,398	62 56 16,9	3,656	475
31784	Ophiuchus	11½	18 2,01	3,488	107 37 51,3	3,653	343
31785	Ophiuchus	9	18 2,44	3,488	107 37 50,8	3,652	170
31786	Ophiuchus	11½	18 6,94	3,482	107 25 6,9	3,646	343
31787	Hercules	8½	18 8,69	2,522	67 23 46,9	3,643	474
31788	Hercules	8	18 10,94	2,503	66 41 2,8	3,640	75
31789	Hercules	6	18 11,28	2,584	69 44 14,8	3,639	75
31790	Hercules	8	18 15,87	2,065	52 38 8,4	3,633	79
31791	Ophiuchus	8	18 19,70	3,488	107 38 12,2	3,627	170
31792	Ophiuchus	8	18 19,81	3,488	107 38 16,2	3,627	343
31793	Serpens	11½	18 23,67	3,443	105 50 30,2	3,621	470
31794	Ophiuchus	8	18 24,21	2,839	80 4 18,2	3,621	86
31795	Hercules	7	18 27,77	2,640	71 55 22,5	3,616	80
31796	Hercules	7½	18 28,41	2,321	60 21 41,7	3,615	168
31797	Serpens	11½	18 28,82	3,440	105 44 14,6	3,614	471
31798	Ophiuchus	9	18 30,02	2,800	78 25 49,1	3,613	85
31799	Ophiuchus	7½	18 31,47	2,800	78 25 54,1	3,611	85
31800	Hercules	8	17 18 35,64	+2,634	71 41 25,2	+3,604	80

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31801	Hercules	7½	17 18 36.64	+2,677	73 21 54.5	+3,603	82
31802	Hercules	9	18 37.16	1,778	45 31 4.9	3,602	165
31803	Hercules	8	18 37.43	2,541	68 6 2.7	3,601	474
31804	Ophiuchus	6	18 37.99	3,058	89 29 34.8	3,601	291
31805	Ophiuchus	5	18 38.49	3,058	89 29 39.8	3,600	95
31806	Ophiuchus... c¹	8	18 39.32	3,646	113 40 13.6	3,599	474
31807	Ophiuchus... c¹	7½	18 39.37	3,646	113 40 13.4	3,599	566
31808	Serpens	7½	18 41.89	3,325	100 58 16.1	3,596	346
31809	Serpens	8	18 42.24	3,325	100 58 13.1	3,595	472
31810	Ophiuchus	8	18 52.15	3,251	97 50 27.3	3,581	288
31811	Serpens	7½	19 0.70	3,434	105 27 47.0	3,569	471
31812	Hercules	9	19 1.90	+2,183	56 1 35.3	3,567	77
31813	Draco	9	19 2.37	-0,579	19 9 55.4	3,567	358
31814	Ophiuchus	8½	19 2.97	+3,642	113 29 13.4	3,566	566
31815	Ophiuchus	8½	19 5.02	2,840	80 6 15.0	3,562	86
31816	Ophiuchus	6½	19 5.92	3,202	95 44 30.4	3,561	290
31817	Ophiuchus	8	19 7.88	2,769	77 7 38.8	3,558	83
31818	Hercules	9	19 7.98	2,153	55 8 7.7	3,558	293
31819	Hercules	7	19 11.14	2,266	58 35 41.3	3,554	473
31820	Hercules	7½	19 11.21	2,266	58 35 39.8	3,553	71
31821	Hercules	8	19 11.86	2,174	55 44 7.9	3,552	77
31822	Hercules	8½	19 12.63	2,271	58 44 56.0	3,551	71
31823	Hercules	8½	19 12.76	2,271	58 44 56.3	3,551	473
31824	Ophiuchus	5½	19 13.23	3,650	113 47 30.6	3,550	474
31825	Ophiuchus	5	19 13.35	3,650	113 47 35.7	3,550	566
31826	Serpens	11½	19 15.42	3,429	105 16 10.9	3,547	471
31827	Ophiuchus	7½	19 17.53	3,070	89 59 45.7	3,544	95
31828	Draco	9	19 17.91	0,258	25 5 10.5	3,544	362
31829	Hercules	9	19 18.12	2,564	68 59 31.7	3,543	474
31830	Hercules	9	19 19.79	1,517	40 17 31.7	3,541	358
31831	Ophiuchus	8½	19 20.05	3,477	107 12 8.3	3,541	343
31832	Ophiuchus	5½	19 20.23	3,716	116 6 3.5	3,541	567
31833	Serpens	9	19 20.25	3,320	100 46 0.3	3,541	472
31834	Ophiuchus	9	19 20.48	3,477	107 12 17.7	3,540	170
31835	Ophiuchus	7	19 22.36	2,821	79 17 26.4	3,538	86
31836	Ophiuchus	8	19 24.09	2,924	83 40 48.9	3,535	89
31837	Hercules	9	19 28.49	2,512	67 2 8.8	3,529	475
31838	Ophiuchus	-	19 30.70	2,997	86 49 10.9	3,526	91
31839	Draco	8	19 31.61	1,466	39 23 12.3	3,525	356
31840	Draco	8	17 19 32.59	+1,451	39 7 26.5	+3,523	357

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31841	Hercules	9	17 19 33.05	+2,310	60 0 3.7	+3,522	168
31842	Hercules	8	19 34.68	2,400	63 2 37.0	3,520	299
31843	Hercules	9	19 35.20	2,394	62 49 7.8	3,519	299
31844	Hercules	6	19 35.36	2,152	55 7 42.6	3,519	293
31845	Hercules	8	19 35.56	+2,400	63 2 30.9	3,519	475
31846	Draco.....	9	19 36.26	-0,106	22 31 13.0	3,518	356
31847	Ophiuchus....	8	19 40.64	+2,888	82 8 18.7	3,512	88
31848	Hercules	8	19 43.09	2,300	59 42 19.2	3,508	168
31849	Ophiuchus....	6½	19 45.81	3,166	94 12 1.2	3,503	293
31850	Draco.....	8	19 47.12	1,451	39 7 25.8	3,502	356
31851	Draco.....	7	19 47.20	1,466	39 23 9.7	3,502	357
31852	Hercules	8½	19 50.77	2,587	69 51 47.2	3,496	75
31853	Hercules	8	19 53.22	2,633	71 39 9.5	3,493	80
31854	Draco.....	7	19 54.85	1,027	32 48 19.3	3,490	355
31855	Draco.....	6½	19 54.98	1,027	32 48 13.4	3,490	360
31856	Hercules ....	.	19 58.01	2,595	70 11 7.5	3,486	75
31857	Ophiuchus....	8½	19 59.98	3,064	89 45 28.8	3,483	95
31858	Ophiuchus....	8½	20 0.01	2,939	84 19 22.8	3,483	90
31859	Hercules	8	20 4.43	2,154	55 11 42.5	3,477	293
31860	Ophiuchus....	7½	20 7.03	+2,793	78 7 9.0	3,473	85
31861	Draco.....	8	20 7.57	-0,375	20 55 33.3	3,472	358
31862	Hercules	8	20 7.70	+2,216	57 2 30.3	3,472	77
31863	Ophiuchus....	8	20 8.72	3,250	97 46 39.8	3,470	288
31864	Draco.....	7	20 11.59	0,134	24 10 8.2	3,466	361
31865	Serpens	7½	20 12.05	3,321	100 48 5.3	3,465	472
31866	Serpens	7	20 12.09	3,321	100 48 5.1	3,465	346
31867	Hercules	8	20 12.22	2,634	71 40 54.3	3,465	80
31868	Ophiuchus....	8½	20 14.33	3,128	92 31 31.4	3,462	97
31869	Ophiuchus....	8	20 15.63	2,825	79 27 56.3	3,461	86
31870	Draco.....	9½	20 23.94	0,273	25 13 24.7	3,449	362
31871	Hercules	9	20 30.48	1,509	40 10 23.6	3,440	358
31872	Ophiuchus....	8	20 33.53	2,793	78 7 28.6	3,434	85
31873	Ophiuchus....	7	20 35.36	3,131	92 39 37.6	3,433	97
31874	Ophiuchus....	8	20 37.05	2,788	77 55 17.2	3,430	85
31875	Hercules	8	20 40.27	2,309	59 59 22.2	3,426	168
31876	Hercules	8	20 41.60	2,296	59 34 59.7	3,424	168
31877	Ophiuchus....	7½	20 42.70	3,040	88 42 42.6	3,422	291
31878	Hercules	8	20 44.38	2,401	63 5 49.8	3,420	299
31879	Hercules	8	20 46.59	2,529	67 41 27.0	3,417	474
31880	Hercules	9	17 20 47.77	+2,309	59 59 22.2	+3,414	168

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31881	Hercules	17 20 50,31	+2,087	53 18 19,8	+3,411	79
31882	Hercules	8½	20 50,82	2,416	63 37 26,4	3,410	475
31883	Serpens	8	20 50,99	3,309	100 17 20,4	3,410	472
31884	Draco	8	20 52,47	0,002	23 15 4,7	3,408	361
31885	Hercules	8	20 52,81	2,688	73 51 57,1	3,407	82
31886	Ophiuchus	7	20 58,07	2,815	79 3 27,3	3,400	86
31887	Hercules	8	20 58,49	2,725	75 22 6,3	3,399	83
31888	Hercules	8	20 59,26	2,592	70 5 17,9	3,398	75
31889	Draco	7	21 0,09	1,312	37 1 37,4	3,397	354
31890	Ophiuchus ....	.	21 3,30	3,124	92 22 7,7	3,392	97
31891	Ophiuchus	8½	21 4,05	2,785	77 48 18,8	3,391	85
31892	Serpens	8	21 4,52	3,315	100 33 24,3	3,390	472
31893	Hercules	8½	21 7,43	2,036	51 53 10,1	3,386	79
31894	Hercules	9	21 14,31	2,534	67 52 12,1	3,377	474
31895	Hercules	8½	21 18,65	2,524	67 31 27,7	3,370	474
31896	Hercules	8	21 19,91	2,367	61 57 5,5	3,368	299
31897	Hercules	8	21 19,92	1,946	49 33 57,8	3,368	77
31898	Ophiuchus	5½	21 20,17	3,003	87 6 44,6	3,368	91
31899	Hercules	8½	21 20,27	1,946	49 33 51,6	3,368	289
31900	Ophiuchus	7	21 20,99	3,065	89 47 52,2	3,367	95
31901	Serpens	6½	21 21,41	3,481	107 20 16,9	3,367	343
31902	Serpens	7	21 21,58	3,481	107 20 17,7	3,366	170
31903	Serpens	6½	21 21,90	+3,481	107 20 12,3	3,366	471
31904	Draco	7½	21 22,49	-0,755	19 1 9,1	3,365	359
31905	Ophiuchus	7	21 24,94	+3,027	88 9 51,1	3,361	291
31906	Hercules ... &	6½	21 26,05	1,583	41 33 59,8	3,359	353
31907	Hercules	8	21 26,49	2,724	75 17 28,0	3,359	83
31908	Hercules	9	21 26,61	2,687	73 48 14,7	3,359	82
31909	Hercules	9	21 29,86	2,251	58 10 42,5	3,355	473
31910	Hercules	8	21 30,04	1,920	48 54 36,2	3,354	77
31911	Ophiuchus	10	21 31,20	3,566	110 36 57,2	3,352	172
31912	Ophiuchus	8½	21 33,49	3,603	112 0 42,1	3,349	474
31913	Serpens	7	21 33,63	3,382	103 19 15,7	3,349	346
31914	Hercules	8½	21 38,72	2,378	62 19 11,7	3,341	299
31915	Draco	9½	21 39,58	0,410	26 22 22,7	3,340	362
31916	Ophiuchus	7½	21 45,20	3,503	108 10 54,4	3,332	343
31917	Ophiuchus	8	21 45,32	3,503	108 10 52,9	3,332	170
31918	Hercules	8	21 45,87	2,183	56 4 28,0	3,332	77
31919	Hercules	7	21 46,07	+2,649	72 19 20,5	3,332	80
31920	Draco	8	17 21 46,48	-0,543	20 3 23,9	+3,331	359

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31921	Hercules	7½	17 21 51,56	+2,532	67 48 6,0	+3,323	474
31922	Ophiuchus	8	21 56,23	3,626	112 52 19,1	3,316	474
31923	Hercules	9	22 0,81	1,838	46 57 44,8	3,310	165
31924	Ophiuchus	7	22 1,66	3,001	87 0 51,0	3,309	91
31925	Hercules	8	22 3,38	2,509	66 57 44,4	3,306	475
31926	Ophiuchus	9	22 5,41	2,874	81 34 12,6	3,303	88
31927	Hercules	8½	22 18,09	+2,691	73 59 10,5	3,285	82
31928	Draco.....	9	22 18,12	-1,637	15 39 31,0	3,285	359
31929	Ophiuchus	8	22 18,35	+3,018	87 47 4,1	3,285	291
31930	Hercules	7½	22 19,03	2,142	54 53 47,5	3,283	293
31931	Serpens	8	22 19,95	3,490	107 40 51,0	3,283	343
31932	Serpens	8	22 20,13	3,490	107 40 54,5	3,282	170
31933	Ophiuchus	9	22 23,59	2,817	79 10 41,8	3,277	86
31934	Hercules	9	22 24,92	1,502	40 5 4,0	3,275	358
31935	Draco.....	10	22 27,03	1,377	37 56 23,4	3,272	357
31936	Draco.....	9	22 27,84	1,377	37 56 26,8	3,271	357
31937	Ophiuchus	8	22 28,47	3,143	93 11 50,0	3,270	97
31938	Ophiuchus	9	22 28,87	3,143	93 11 42,8	3,270	293
31939	Hercules	8	22 29,13	1,900	48 26 8,1	3,269	77
31940	Hercules	8	22 30,50	2,318	60 19 48,7	3,267	168
31941	Ophiuchus	7	22 31,05	2,787	77 54 32,2	3,266	85
31942	Hercules	8	22 31,40	2,034	51 52 22,3	3,266	79
31943	Hercules ....	.	22 32,78	2,580	69 39 6,4	3,263	75
31944	Hercules	8	22 33,65	2,558	48 48 50,2	3,262	474
31945	Draco.....	9½	22 34,04	0,423	26 29 58,1	3,262	362
31946	Hercules	8	22 37,14	1,692	43 46 5,8	3,258	353
31947	Hercules	9	22 38,21	2,387	62 38 28,8	3,256	299
31948	Hercules ....	.	22 38,25	2,598	70 18 51,3	3,256	75
31949	Ophiuchus	8½	22 39,63	2,824	79 26 50,1	3,254	86
31950	Hercules .. λ	4	22 39,74	2,418	63 43 44,4	3,254	475
31951	Hercules	8	22 45,97	2,502	66 42 42,1	3,245	475
31952	Ophiuchus	6	22 48,51	3,191	95 15 8,0	3,241	290
31953	Hercules	9	22 48,74	2,683	73 39 28,9	3,241	82
31954	Ophiuchus	7	22 52,16	3,500	108 4 5,4	3,236	343
31955	Ophiuchus	7½	22 52,28	3,502	108 9 8,3	3,236	170
31956	Ophiuchus	9	22 55,45	3,250	97 45 43,0	3,230	288
31957	Ophiuchus	8	22 56,34	2,787	77 54 31,0	3,229	85
31958	Ophiuchus	9	22 56,41	+3,145	93 16 45,9	3,229	293
31959	Draco.....	8	22 57,07	-0,554	20 0 58,9	3,228	359
31960	Hercules	7	17 23 0,40	+2,267	73 1 1,7	+3,224	80

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31961	Ophiuchus	8½	17 23 2,40	+2,987	86 25 33.3	+3,221	91
31962	Ophiuchus	8	23 3,44	3,064	89 44 28.3	3,220	95
31963	Hercules	8	23 10,01	1,811	46 21 56.6	3,210	165
31964	Hercules	8	23 11,78	1,811	46 21 57.5	3,207	10
31965	Ophiuchus	8	23 16,82	3,600	111 53 31.1	3,200	172
31966	Ophiuchus	6½	23 17,07	3,600	111 53 37.9	3,200	474
31967	Hercules	7	23 17,87	2,727	75 27 25.2	3,199	83
31968	Ophiuchus	8	23 19,37	3,671	114 28 36.7	3,197	566
31969	Hercules	8½	23 20,04	1,917	48 52 16.1	3,196	77
31970	Hercules	5½	23 21,11	2,266	58 41 1.7	3,194	473
31971	Draco	10	23 25,54	1,368	37 48 56.3	3,188	357
31972	Hercules	8½	23 26,59	1,907	48 38 5.8	3,186	77
31973	Ophiuchus	7½	23 31,81	2,887	82 7 36.8	3,178	88
31974	Hercules	8	23 37,17	2,165	55 34 20.4	3,171	77
31975	Serpens	6	23 39,43	3,329	101 5 29.8	3,167	346
31976	Serpens	6	23 39,71	3,329	101 5 31.2	3,167	472
31977	Hercules	8	23 39,75	2,552	68 34 47.8	3,167	474
31978	Ophiuchus	7½	23 40,44	3,137	92 54 15.7	3,166	97
31979	Ophiuchus	9	23 45,14	3,181	94 50 12.1	3,159	293
31980	Ophiuchus	8	23 49,09	2,819	79 14 17.2	3,154	86
31981	Hercules	8½	23 52,48	2,319	60 23 14.1	3,149	168
31982	Draco	10	23 54,35	0,350	25 44 43.2	3,147	362
31983	Hercules	8	23 55,31	2,674	73 19 15.6	3,145	80
31984	Hercules	9	23 55,53	1,801	46 8 36.1	3,145	165
31985	Hercules	6	23 58,37	2,351	61 26 15.3	3,141	168
31986	Hercules	6	23 58,64	2,351	61 26 17.3	3,139	299
31987	Hercules	7	23 59,27	1,998	50 57 30.3	3,139	289
31988	Hercules	8	23 59,39	1,818	46 31 48.1	3,139	10
31989	Hercules	8	23 59,49	1,817	46 31 44.5	3,139	165
31990	Hercules	6½	23 59,82	1,999	50 57 34.6	3,138	79
31991	Ophiuchus	8	24 0,99	2,884	81 59 44.3	3,137	88
31992	Hercules	6	24 7,22	2,617	71 5 34.5	3,127	75
31993*	Draco	8½	24 8,92	1,481	39 45 0.1	3,125	358
31994	Hercules	7	24 14,82	2,668	73 4 43.1	3,117	80
31995	Ophiuchus	8	24 14,87	2,850	80 33 28.1	3,117	85
31996	Ophiuchus	8	24 16,43	2,878	81 44 34.7	3,115	88
31997	Ophiuchus	9	24 19,92	2,876	81 40 48.5	3,110	88
31998	Hercules	8	24 22,24	2,429	64 7 17.1	3,106	169
31999	Hercules	7	24 22,80	2,408	63 24 32.8	3,106	475
32000	Hercules	8½	17 24 25,72	+2,433	64 17 11.2	+3,101	169

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32001	Hercules	8½	17 24 27,16	+2,084	53 16 56,3	+3,098	293
32002	Ophiuchus	9	24 27,31	3,572	110 50 3,8	3,098	172
32003	Hercules	9	24 27,51	2,497	66 33 30,7	3,098	475
32004	Hercules	8	24 28,74	2,611	70 50 26,0	3,096	75
32005	Hercules	9	24 30,96	2,217	57 10 18,2	3,093	473
32006	Ophiuchus	7½	24 31,10	3,103	91 27 26,8	3,093	97
32007	Ophiuchus	8½	24 31,80	3,066	89 51 18,8	3,092	95
32008	Ophiuchus	8½	24 33,45	2,739	75 56 4,3	3,089	83
32009	Hercules	8	24 33,91	2,339	61 2 32,5	3,089	168
32010	Serpens	7½	24 34,14	3,492	107 42 51,9	3,089	343
32011	Ophiuchus	7½	24 39,06	2,915	83 19 43,6	3,081	90
32012	Hercules	7½	24 41,75	2,604	70 35 12,6	3,078	75
32013	Hercules	8½	24 41,86	2,075	53 2 45,3	3,077	79
32014	Hercules	5½	24 42,21	2,679	73 31 42,6	3,077	82
32015	Hercules	6	24 42,82	2,679	73 31 46,5	3,077	80
32016	Ophiuchus	7½	24 43,40	2,975	85 55 9,6	3,075	91
32017	Ophiuchus	8½	24 48,01	3,204	95 47 9,2	3,069	290
32018	Ophiuchus	9	24 50,75	3,572	110 48 48,4	3,065	172
32019	Hercules	6½	24 51,38	2,164	55 34 45,8	3,064	77
32020	Hercules	8½	24 52,04	2,479	65 55 47,0	3,063	475
32021	Ophiuchus	8½	24 57,30	2,976	85 57 28,5	3,056	91
32022	Ophiuchus	7	24 59,59	3,208	95 58 39,8	3,052	290
32023	Ophiuchus	7½	25 2,60	2,927	83 49 32,3	3,048	90
32024	Ophiuchus . . . .	.	25 3,87	+3,133	92 44 50,6	3,046	97
32025	Draco	9	25 5,02	-1,303	16 49 4,9	3,045	359
32026	Ophiuchus	9	25 6,73	+2,843	80 16 27,2	3,042	86
32027	Draco	9	25 6,99	1,013	32 43 43,8	3,042	355
32028	Ophiuchus	8½	25 7,07	3,781	118 17 54,1	3,042	568
32029	Ophiuchus	6½	25 7,23	2,843	80 15 55,1	3,041	86
32030	Draco	8	25 7,46	1,013	32 43 38,9	3,041	360
32031	Ophiuchus	7	25 9,62	2,757	76 41 24,1	3,038	83
32032	Hercules	8	25 12,01	1,806	46 17 8,6	3,035	165
32033	Hercules	8	25 12,36	1,806	46 17 16,3	3,034	10
32034	Hercules	8	25 13,39	2,339	61 5 14,3	3,033	168
32035	Ophiuchus	8	25 17,66	3,521	108 50 49,3	3,026	343
32036	Ophiuchus	8	25 17,92	3,521	108 50 48,7	3,026	170
32037	Hercules	8	25 23,32	2,112	54 4 30,8	3,018	293
32038	Ophiuchus	8	25 23,79	2,975	85 54 54,2	3,017	91
32039	Hercules	8	25 24,65	2,543	63 17 7,2	3,016	474
32040	Ophiuchus	8	17 25 25,25	+2,847	80 25 46,3	+3,015	86

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32041	Hercules	8½	17 25 25.30	+2,076	53 4 0.9	+3,015	79
32042	Hercules	6	25 31.26	2,674	73 20 57.9	3,007	82
32043	Hercules	7	25 31.81	2,674	73 21 0.9	3,005	80
32044	Ophiuchus	8½	25 36.68	3,565	110 33 5.2	2,998	172
32045	Ophiuchus	9	25 37.85	3,681	114 49 33.7	2,997	566
32046	Ophiuchus	8½	25 37.88	+3,638	113 15 25.5	2,997	474
32047	Draco.....	7	25 39.10	-0,119	22 31 38.1	2,995	361
32048	Draco.....	7	25 39.12	-0,119	22 31 30.6	2,995	356
32049	Ophiuchus... α	2	25 39.47	+2,771	77 16 56.6	2,994	85
32050	Hercules	7½	25 41.23	2,604	70 36 43.0	2,992	75
32051	Ophiuchus	7½	25 49.68	2,757	76 43 1.9	2,980	83
32052	Hercules	8	25 54.84	2,372	63 11 0.3	2,973	169
32053	Draco..... β	3	25 54.92	1,349	37 32 43.0	2,973	357
32054	Hercules	8½	25 55.17	2,401	63 10 58.5	2,972	299
32055	Draco..... β	3	25 55.31	1,349	37 32 40.4	2,972	357
32056	Hercules	8	25 59.04	2,438	64 27 52.9	2,966	475
32057	Ophiuchus	8½	25 59.47	3,618	112 31 41.3	2,966	173
32058	Hercules ....	.	25 59.70	2,438	64 27 53.7	2,966	169
32059	Serpens	9½	25 59.73	3,492	107 41 27.2	2,966	170
32060	Hercules	8	26 10.41	2,335	60 56 48.8	2,949	168
32061	Hercules	8	26 12.43	2,329	60 45 30.5	2,947	168
32062	Hercules	8	26 15.49	2,631	71 38 7.1	2,943	80
32063	Ophiuchus	8	26 15.70	2,752	76 29 40.2	2,943	83
32064	Ophiuchus	9	26 16.13	2,954	85 0 50.9	2,942	90
32065	Ophiuchus	10	26 18.28	3,547	109 50 18.5	2,939	172
32066	Hercules	9	26 19.97	1,820	46 37 28.5	2,936	165
32067	Ophiuchus	8½	26 23.55	3,781	118 16 39.0	2,931	568
32068	Ophiuchus	8	26 23.67	2,953	82 50 39.5	2,931	88
32069	Serpens	7	26 30.20	3,435	105 26 7.4	2,921	471
32070	Ophiuchus	8	26 31.76	3,253	97 53 47.5	2,919	288
32071	Hercules	8½	26 32.79	2,078	53 8 18.4	2,917	79
32072	Ophiuchus	8	26 33.38	2,784	77 48 50.0	2,917	85
32073	Ophiuchus	7½	26 35.97	3,815	119 23 59.9	2,914	568
32074	Hercules	8	26 36.39	2,154	55 18 43.7	2,913	293
32075	Hercules	7½	26 36.71	2,154	55 18 47.5	2,912	77
32076	Ophiuchus	8½	26 37.59	3,738	116 48 8.6	2,911	567
32077	Hercules	8	26 39.02	2,309	60 5 56.5	2,909	168
32078	Hercules	8	26 40.71	2,356	61 38 52.7	2,906	299
32079	Draco.....	8½	26 43.71	1,445	39 10 9.3	2,902	358
32080	Ophiuchus	6½	17 26 44.33	+3,598	111 46 43.2	+2,901	173

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32081	Ophiuchus	6½	17 26 44.47	+3,598	111 46 41.7	+2,900	474
32082	Hercules	6	26 45.33	1,903	48 36 35.2	2,899	77
32083	Ophiuchus	7½	26 46.28	2,840	80 8 22.1	2,898	86
32084	Hercules	9	26 51.24	2,477	65 53 19.7	2,892	475
32085	Ophiuchus	8	26 54.59	2,895	82 29 18.6	2,886	88
32086	Ophiuchus	9	26 55.52	2,964	85 27 26.6	2,885	91
32087	Hercules	8½	26 58.60	2,620	71 14 9.3	2,880	80
32088	Ophiuchus . . μ	4	26 58.78	3,255	97 58 56.8	2,880	288
32089	Ophiuchus . . μ	4	26 59.36	3,255	97 58 57.6	2,879	290
32090	Draco	9½	27 1.27	0,198	24 44 48.0	2,877	361
32091	Ophiuchus	9	27 2.77	3,536	109 24 22.1	2,874	172
32092	Serpens	6	27 3.75	3,322	100 47 28.2	2,873	346
32093	Serpens	6½	27 4.55	3,322	100 47 30.9	2,872	472
32094	Hercules	9	27 7.26	2,430	64 11 35.4	2,868	475
32095	Hercules	8½	27 7.35	2,430	64 11 45.9	2,868	169
32096	Hercules . . . .	.	27 9.68	2,588	70 0 58.5	2,864	75
32097	Ophiuchus	8	27 14.84	3,090	90 53 56.8	2,857	95
32098	Ophiuchus	9	27 16.01	3,154	93 37 40.8	2,856	293
32099	Ophiuchus	8½	27 16.78	3,256	97 59 57.8	2,854	288
32100	Hercules	7½	27 18.75	2,225	57 26 36.0	2,852	473
32101	Ophiuchus	9	27 19.78	3,255	97 58 17.7	2,849	288
32102	Ophiuchus	7½	27 21.39	2,758	76 46 5.1	2,847	83
32103	Draco	8	27 23.01	1,213	35 29 45.8	2,845	354
32104	Hercules	6	27 26.65	2,558	68 51 56.7	2,840	474
32105	Serpens	8½	27 27.58	3,491	107 18 57.8	2,839	343
32106	Ophiuchus	8	27 28.17	2,832	79 49 20.2	2,838	86
32107	Hercules	8½	27 28.62	1,598	41 58 8.4	2,837	353
32108	Ophiuchus	8½	27 30.52	2,917	83 25 22.4	2,834	90
32109	Draco	6½	27 31.67	0,949	31 58 22.7	2,832	355
32110	Ophiuchus	8½	27 32.60	2,895	82 30 5.4	2,831	88
32111	Ophiuchus	8½	27 33.14	3,130	92 37 50.1	2,831	97
32112	Hercules	7	27 35.17	2,146	55 6 35.2	2,828	293
32113	Hercules	6½	27 36.30	2,147	55 6 35.6	2,826	77
32114	Hercules	7½	27 39.50	2,677	73 27 55.0	2,821	82
32115	Hercules	8	27 39.67	2,622	71 20 2.0	2,821	80
32116	Ophiuchus	8	27 42.89	3,797	118 47 48.7	2,816	568
32117	Draco	9½	27 44.15	1,213	35 29 25.0	2,815	354
32118	Draco	8½	27 47.21	1,329	37 15 34.5	2,809	357
32119	Ophiuchus	8½	27 48.64	3,630	112 55 54.5	2,808	566
32120	Ophiuchus	7½	17 27 52.87	+3,133	92 44 28.2	+2,802	97

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32121	Hercules	9	17 27 54.31	+1,806	46 20 58.6	+2,800	10
32122	Ophiuchus	9	27 54.89	3,093	91 1 8.8	2,799	95
32123	Hercules	8	27 57.16	1,521	40 31 42.7	2,796	358
32124	Hercules	7½	27 58.53	2,715	75 0 53.0	2,794	82
32125	Draco.....	8½	27 59.62	1,360	37 45 39.7	2,793	357
32126	Hercules	8½	27 59.75	2,421	63 54 15.2	2,792	169
32127	Hercules	8	28 5.05	2,217	57 13 53.7	2,784	473
32128	Hercules	9	28 8.81	2,167	55 43 28.1	2,779	77
32129	Hercules	8	28 9.17	2,479	65 58 21.6	2,778	475
32130	Serpens	8	28 11.71	3,388	103 31 14.6	2,774	346
32131	Draco..... ¹	6½	28 14.11	1,155	34 40 29.1	2,771	360
32132	Draco.....	9	28 14.55	0,350	25 58 12.9	2,771	362
32133	Hercules	6½	28 15.61	2,356	61 40 52.3	2,770	299
32134	Hercules	7½	28 16.50	1,916	48 57 18.8	2,768	77
32135	Ophiuchus	7½	28 16.52	2,916	83 23 9.0	2,768	90
32136	Hercules	7½	28 17.20	2,433	64 19 56.5	2,767	169
32137	Hercules	7½	28 17.24	2,431	64 14 52.4	2,767	475
32138	Hercules	7½	28 17.71	1,916	48 57 19.9	2,767	289
32139	Ophiuchus	8	28 18.11	2,963	85 22 38.7	2,766	91
32140	Draco..... ²	6½	28 19.10	1,156	34 41 10.0	2,765	360
32141	Hercules	8	28 19.56	2,586	69 56 27.8	2,764	75
32142	Serpens	7½	28 21.20	3,330	101 8 22.1	2,762	348
32143	Hercules	7½	28 22.63	2,165	55 39 17.8	2,759	77
32144	Ophiuchus	8½	28 23.06	2,922	83 39 20.3	2,758	90
32145	Hercules	8½	28 23.78	2,098	53 43 40.5	2,757	293
32146	Ophiuchus	8	28 27.65	2,903	82 48 43.4	2,752	111
32147	Hercules	7	28 27.76	2,577	69 36 33.2	2,752	76
32148	Hercules	8	28 28.19	2,628	71 34 12.9	2,751	80
32149	Hercules	8½	28 28.80	+1,807	46 21 46.3	2,750	10
32150	Draco	8½	28 30.81	-1,290	16 54 1.0	2,748	359
32151	Draco.....	8	28 32.34	+0,352	25 59 13.6	2,745	362
32152	Hercules	8½	28 35.59	+1,925	49 10 13.9	2,740	77
32153	Draco.....	8	28 36.75	-1,815	15 10 25.0	2,738	359
32154	Hercules	8	28 36.98	+1,811	46 27 39.1	2,738	165
32155	Hercules	7½	28 37.79	1,811	46 27 47.4	2,737	10
32156	Ophiuchus	8	28 38.56	3,652	113 42 44.4	2,736	566
32157	Ophiuchus	9	28 41.88	2,760	76 51 24.6	2,731	83
32158	Ophiuchus	8	28 42.12	2,898	82 37 41.1	2,731	88
32159	Serpens	9½	28 42.64	3,327	100 58 52.4	2,730	348
32160	Hercules	8	17 28 45.34	+2,461	65 20 8.9	+2,727	475

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32161	Serpens	8	17 28 45.78	+3.335	101 20 27.9	+2.726	348
32162	Hercules	9	28 45.85	2.405	63 20 32.3	2.725	475
32163	Serpens	6½	28 46.11	3.335	101 20 26.2	2.725	346
32164	Ophiuchus	8½	28 46.16	2.966	85 32 14.9	2.725	91
32165	Hercules	6½	28 49.85	2.055	52 33 47.5	2.719	79
32166	Hercules	8½	28 50.29	2.466	65 31 26.1	2.718	475
32167	Hercules	8	28 52.67	2.553	68 42 23.3	2.716	474
32168	Hercules	7½	28 55.00	2.568	69 16 21.0	2.712	474
32169	Hercules	7	28 55.28	2.568	69 16 21.5	2.712	76
32170	Ophiuchus	8½	28 56.76	2.922	83 39 39.1	2.710	90
32171	Ophiuchus	8½	28 58.84	3.019	87 49 0.4	2.706	291
32172	Ophiuchus	8½	28 59.82	2.859	80 58 29.3	2.705	86
32173	Hercules	5½	29 0.21	2.276	59 4 58.6	2.705	473
32174	Hercules	6	29 0.38	2.276	59 4 52.3	2.705	168
32175	Ophiuchus	8	29 0.64	2.901	82 44 57.8	2.704	88
32176	Ophiuchus	7	29 3.25	3.020	87 50 40.5	2.700	291
32177	Hercules	9	29 5.49	1.919	49 2 18.5	2.698	77
32178	Draco	8	29 5.59	0.362	26 4 38.2	2.698	362
32179	Ophiuchus	9	29 7.85	3.182	94 50 32.7	2.694	293
32180	Ophiuchus	8	29 9.78	+3.178	94 40 32.3	2.691	293
32181	Draco	9	29 11.87	-0.329	21 20 52.2	2.687	356
32182	Ophiuchus	8	29 12.62	+2.963	85 24 3.3	2.686	91
32183	Ophiuchus	8	29 13.29	2.853	80 43 48.8	2.686	86
32184	Hercules	8	29 16.25	2.304	59 59 11.2	2.681	168
32185	Hercules	9½	29 16.35	1.524	40 39 8.7	2.681	358
32186	Hercules	6	29 16.78	2.467	65 33 39.1	2.681	475
32187	Hercules	9	29 17.34	2.707	74 40 45.8	2.680	82
32188	Ophiuchus	8½	29 18.00	2.863	81 8 2.5	2.679	86
32189	Draco	9	29 21.45	0.087	23 57 36.3	2.674	361
32190	Draco	9½	29 21.68	0.194	24 44 29.0	2.674	361
32191	Hercules	8	29 30.77	2.640	72 1 47.0	2.661	80
32192	Hercules	7½	29 32.61	2.560	68 57 1.6	2.658	475
32193	Draco	9	29 32.83	0.595	28 10 41.4	2.658	355
32194	Serpens	9	29 35.30	3.514	108 31 20.5	2.654	343
32195	Ophiuchus	9	29 36.83	+3.737	116 43 35.6	2.652	567
32196	Draco	8½	29 36.96	-0.378	21 1 56.9	2.652	359
32197	Serpens	8	29 38.11	+3.371	102 47 42.3	2.650	346
32198	Serpens	8	29 38.17	3.371	102 47 43.5	2.650	348
32199	Hercules	8	29 39.78	2.569	69 19 11.2	2.647	76
32200	Ophiuchus	6½	17 29 40.92	+3.082	90 30 58.7	+2.646	95

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32201	Hercules	8½	17 29 44.89	+2,263	58 40 59.0	+2,640	473
32202	Ophiuchus	6½	29 46.75	2,753	76 32 50.6	2,637	83
32203	Ophiuchus	6½	29 48.03	3,117	92 1 51.7	2,636	97
32204	Ophiuchus	7	29 48.91	2,984	86 18 46.8	2,634	91
32205	Hercules	8	29 53.45	2,691	74 3 45.6	2,628	82
32206	Ophiuchus	7	29 59.97	2,988	86 28 45.9	2,618	91
32207	Hercules	9	30 4.51	2,499	66 43 29.3	2,611	475
32208	Hercules	9½	30 11.06	2,296	59 45 14.5	2,602	168
32209	Serpens 0	5	30 11.07	3,370	102 45 11.0	2,602	346
32210	Serpens 0	5	30 11.08	3,370	102 45 14.3	2,602	348
32211	Ophiuchus	8	30 12.37	3,639	113 14 5.2	2,600	474
32212	Ophiuchus	8½	30 12.80	3,090	90 52 22.2	2,599	95
32213	Draco	7	30 15.44	0,973	32 18 21.8	2,596	355
32214	Hercules	7½	30 17.33	2,144	55 4 29.3	2,593	293
32215	Hercules	8½	30 17.73	1,566	41 24 25.3	2,592	353
32216	Hercules	8	30 17.97	2,433	64 21 21.3	2,592	475
32217	Hercules	8	30 18.38	2,433	64 21 29.7	2,592	169
32218	Hercules	8	30 18.73	2,551	68 38 23.1	2,591	475
32219	Hercules	6	30 23.70	1,560	41 17 30.2	2,584	353
32220	Ophiuchus	7	30 28.69	2,754	76 35 36.3	2,577	83
32221	Ophiuchus	8½	30 29.38	2,747	76 20 35.9	2,576	83
32222	Hercules	8½	30 31.73	2,269	58 51 55.2	2,572	473
32223	Ophiuchus	8½	30 33.25	+3,085	90 39 48.6	2,570	95
32224	Draco	8½	30 33.90	-1,257	17 2 30.3	2,569	359
32225	Hercules	8	30 35.20	+2,635	71 52 23.3	2,567	80
32226	Ophiuchus	8	30 36.27	2,914	83 18 56.3	2,565	88
32227	Ophiuchus . . . .	.	30 36.55	2,914	83 18 53.6	2,565	90
32228	Hercules	8½	30 38.38	2,673	73 22 11.2	2,563	82
32229	Hercules	8	30 40.11	1,750	45 9 3.7	2,561	165
32230	Hercules	9	30 40.43	2,439	64 34 10.5	2,560	475
32231	Ophiuchus	8½	30 40.86	3,552	109 59 28.0	2,560	172
32232	Hercules	8	30 41.16	2,439	64 34 12.7	2,559	169
32233	Ophiuchus	8½	30 41.66	3,111	91 47 44.7	2,558	97
32234	Draco	9½	30 42.51	0,162	24 31 8.6	2,557	361
32235	Ophiuchus	7	30 43.11	3,768	117 46 16.9	2,556	568
32236	Serpens	9	30 43.28	3,440	105 36 39.2	2,556	471
32237	Draco	9½	30 44.01	0,270	25 21 1.0	2,555	362
32238	Ophiuchus	8	30 50.11	+2,971	85 43 46.1	2,546	91
32239	Draco	8½	30 50.67	-0,375	21 3 40.0	2,545	359
32240	Hercules	8½	17 30 52.07	+2,293	59 39 52.1	+2,543	168

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32241	Hercules	8	17 30 53.73	+1,911	48 51 51.4	+2,540	294
32242	Hercules	8	31 0,11	1,890	48 21 26.9	2,531	77
32243	Hercules	7½	31 6,61	2,388	62 49 18.6	2,522	299
32244	Hercules	8½	31 9,70	2,439	64 34 0.4	2,518	475
32245	Hercules	8	31 9,77	2,410	63 34 4.4	2,517	169
32246	Hercules	8	31 10,28	2,068	52 57 5.6	2,517	79
32247	Hercules	8	31 11,51	2,397	63 7 5.0	2,515	299
32248	Serpens	7	31 11,69	+3,436	105 26 53.3	2,515	471
32249	Draco.....	8	31 12,35	-2,345	13 46 4.5	2,514	360
32250	Draco.....	9½	31 12,91	+0,299	25 35 9.0	2,513	362
32251	Hercules	8	31 13,36	1,512	40 25 29.8	2,513	358
32252	Hercules	8	31 15,57	1,765	45 28 36.9	2,509	165
32253	Hercules	7	31 22,07	2,074	53 7 45.8	2,500	79
32254	Ophiuchus....	8	31 22,12	3,083	90 33 42.0	2,500	95
32255	Hercules	5½	31 23,07	1,559	41 17 26.5	2,498	358
32256	Hercules ....	.	31 26,56	2,212	57 8 18.7	2,493	77
32257	Ophiuchus....	6	31 27,19	3,594	111 34 13.6	2,492	172
32258	Ophiuchus....	5½	31 27,35	3,594	111 34 13.8	2,492	474
32259	Ophiuchus....	6	31 27,50	3,594	111 34 16.6	2,492	173
32260	Hercules	8	31 27,52	2,464	65 27 50.7	2,492	475
32261	Hercules	8	31 27,62	2,448	64 53 27.8	2,492	169
32262	Hercules	7½	31 29,01	1,911	48 52 7.2	2,490	77
32263	Ophiuchus....	8	31 29,93	2,929	83 57 7.3	2,488	90
32264	Ophiuchus....	9	31 30,88	3,722	116 11 46.3	2,486	567
32265	Hercules	7½	31 33,28	1,834	47 2 39.1	2,484	10
32266	Ophiuchus....	8	31 36,22	2,909	83 6 0.4	2,479	88
32267	Hercules	7½	31 36,72	2,292	59 37 23.8	2,478	168
32268	Draco.....	7½	31 36,84	0,750	29 46 18.6	2,478	355
32269	Hercules	8	31 41,13	+2,240	57 59 34.1	2,472	473
32270	Draco.....	8	31 41,38	-0,368	21 6 34.3	2,472	359
32271	Serpens	9	31 41,53	+3,486	107 23 53.3	2,471	170
32272	Ophiuchus....	8	31 43,21	2,970	85 42 53.7	2,469	91
32273	Hercules	8½	31 44,28	2,069	52 59 28.3	2,467	79
32274	Ophiuchus....	6	31 47,54	2,920	83 34 19.6	2,462	90
32275	Ophiuchus....	9	31 48,50	3,178	94 39 28.9	2,461	98
32276	Ophiuchus....	9	31 48,63	3,178	94 39 22.5	2,461	293
32277	Draco.....	8½	31 54,99	1,418	38 47 21.4	2,452	357
32278	Draco.....	9	31 55,06	1,418	38 47 14.8	2,452	357
32279	Hercules	8	31 57,82	2,317	60 26 40.5	2,447	168
32280	Ophiuchus....	6½	17 31 57,88	+3,180	94 44 22.0	+2,447	98

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32281	Ophiuchus	6½	17 31 58,15	+3,180	94 44 16,7	+2,447	293
32282	Serpens	9	31 58,23	3,468	106 42 15,2	2,447	471
32283	Hercules	6½	31 58,39	2,213	57 9 17,3	2,446	293
32284	Draco	9	31 59,49	1,419	38 48 23,8	2,445	357
32285	Draco	8½	31 59,56	1,424	38 53 18,4	2,445	357
32286	Hercules	7½	32 0,97	1,919	49 6 35,3	2,443	77
32287	Hercules . . . .	.	32 1,80	1,800	46 16 42,3	2,442	165
32288	Ophiuchus	7	32 1,85	2,966	85 31 11,1	2,442	91
32289	Hercules	8	32 2,13	2,445	64 48 4,4	2,442	169
32290	Hercules	7	32 2,75	1,800	46 16 45,3	2,441	10
32291	Ophiuchus	8	32 4,09	3,123	92 18 49,3	2,439	97
32292	Hercules	8½	32 4,10	2,176	56 2 34,2	2,439	293
32293	Ophiuchus	7½	32 6,17	3,649	113 34 20,1	2,435	566
32294	Hercules	6½	32 8,53	2,707	74 42 22,4	2,432	82
32295	Hercules	8½	32 13,25	2,274	59 4 43,3	2,425	473
32296	Hercules	8½	32 17,94	2,323	60 38 28,5	2,418	168
32297	Ophiuchus	7½	32 20,31	3,609	112 5 25,1	2,415	172
32298	Ophiuchus	7½	32 20,70	3,608	112 5 21,0	2,415	173
32299	Hercules	7	32 20,73	1,711	44 19 38,3	2,415	353
32300	Hercules	6	32 24,13	2,262	58 40 54,7	2,410	473
32301	Serpens	7½	32 29,61	3,492	107 38 17,4	2,402	170
32302	Hercules	7½	32 29,68	1,914	48 57 45,8	2,402	77
32303	Hercules	9	32 29,73	1,914	48 57 35,0	2,402	294
32304	Hercules	8½	32 30,18	2,437	64 31 46,9	2,401	169
32305	Serpens	6½	32 31,36	3,386	103 23 41,5	2,400	348
32306	Ophiuchus	8	32 35,07	2,818	79 15 21,6	2,394	86
32307	Serpens	7	32 39,01	3,484	107 19 58,4	2,389	170
32308	Serpens	7½	32 39,17	3,484	107 19 46,7	2,388	471
32309	Ophiuchus	9	32 40,08	3,604	111 55 3,1	2,386	173
32310	Serpens	8	32 44,52	3,469	106 45 23,6	2,380	471
32311	Ophiuchus	8	32 46,24	+3,120	92 11 23,7	2,378	97
32312	Draco	5	32 46,58	-0,261	21 44 20,5	2,378	356
32313	Hercules	7½	32 47,27	+2,661	72 53 44,5	2,376	80
32314	Hercules	8	32 48,27	2,701	74 28 21,7	2,374	82
32315	Serpens	8	32 48,88	3,477	107 2 28,2	2,374	471
32316	Serpens	8	32 49,92	3,477	107 2 31,4	2,372	170
32317	Hercules	7½	32 50,51	1,909	48 50 33,5	2,371	77
32318	Hercules	8	32 50,55	2,606	70 44 31,5	2,371	76
32319	Hercules	9	32 50,70	1,909	48 50 23,8	2,371	294
32320	Ophiuchus	8	17 32 51,54	+2,770	77 35 20,5	+2,370	85

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32321	Ophiuchus	7½	17 32 52,05	+2,846	80° 26' 25,5	+2,369	86
32322	Hercules	•	32 52,17	2,056	52 39 11,4	2,369	79
32323	Hercules	6½	32 52,84	2,461	65 22 37,5	2,368	475
32324	Draco	5½	32 55,92	0,569	27 58 14,1	2,363	355
32325	Ophiuchus	6	32 59,34	3,232	96 58 20,7	2,359	288
32326	Ophiuchus	6	32 59,98	3,232	96 58 18,8	2,358	290
32327	Hercules	8	33 8,60	2,310	60 13 22,6	2,345	168
32328	Hercules	6½	33 8,92	2,259	58 35 42,6	2,345	473
32329	Ophiuchus	8	33 12,93	3,158	93 47 58,1	2,339	98
32330	Hercules	7½	33 13,75	2,662	72 51 27,1	2,337	80
32331	Ophiuchus	9	33 15,14	3,113	91 53 11,8	2,335	97
32332	Ophiuchus	8	33 16,90	2,743	76 10 15,2	2,333	83
32333	Hercules	6½	33 17,08	2,543	68 22 55,5	2,333	475
32334	Hercules	8	33 17,43	2,259	58 36 34,6	2,332	473
32335	Serpens	8	33 18,92	3,479	107 7 35,5	2,330	471
32336	Serpens	8	33 18,95	3,479	107 7 36,8	2,330	170
32337	Ophiuchus	8½	33 21,44	2,879	81 50 7,2	2,327	88
32338	Hercules	7	33 23,98	2,655	72 39 45,8	2,323	80
32339	Hercules	8	33 29,04	2,579	69 43 46,4	2,316	77
32340	Hercules	9	33 29,99	2,545	68 26 16,6	2,314	475
32341	Hercules	7½	33 30,84	2,459	65 18 59,4	2,313	475
32342	Draco	7½	33 31,62	1,111	34 8 28,0	2,312	360
32343	Serpens	8	33 31,71	3,309	100 13 58,5	2,312	472
32344	Ophiuchus	8	33 32,15	3,740	116 47 23,7	2,311	567
32345	Hercules	7	33 33,98	1,781	45 53 11,8	2,309	10
32346	Ophiuchus .. β	3	33 35,53	2,961	85 20 13,9	2,306	90
32347	Ophiuchus .. β	2½	33 35,97	2,961	85 20 12,1	2,305	91
32348	Ophiuchus .. β	3	33 36,06	2,961	85 20 12,3	2,305	95
32349	Ophiuchus .. β	3	33 36,48	2,961	85 20 10,7	2,305	291
32350	Ophiuchus	7½	33 38,13	3,109	91 42 15,0	2,302	97
32351	Serpens	8	33 38,95	3,387	103 26 52,6	2,301	348
32352	Hercules	7½	33 39,27	2,664	73 1 9,2	2,301	80
32353	Hercules	8	33 41,55	2,593	70 16 25,3	2,298	76
32354	Ophiuchus	8	33 42,12	2,824	79 31 50,6	2,297	86
32355	Ophiuchus	9	33 44,03	2,778	77 38 13,1	2,294	85
32356	Ophiuchus	8	33 46,42	3,240	97 18 13,7	2,291	288
32357	Ophiuchus	8½	33 46,80	3,240	97 18 11,6	2,290	290
32358	Hercules .. δ	4	33 49,24	1,688	43 52 46,0	2,287	165
32359	Hercules .. δ	5	33 49,50	1,688	43 52 49,5	2,287	353
32360	Hercules	9	17 33 49,50	+1,627	42 38 33,9	+2,287	353

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32361	Hercules	9	17 33 54.01	+1,565	41 26 32.5	+2,279	353
32362	Hercules	7	33 54.39	2,312	60 17 24.4	2,279	168
32363	Draco.....	9	33 54.71	0,169	24 36 47.1	2,278	361
32364	Hercules	8	34 0.66	2,435	64 28 6.1	2,271	169
32365	Draco.....	8½	34 2.05	0,802	30 22 19.2	2,268	355
32366	Hercules	6½	34 6.47	2,371	62 14 58.3	2,261	299
32367	Hercules	8½	34 6.55	2,463	65 26 57.4	2,261	475
32368	Ophiuchus....	8	34 10.83	2,866	81 17 3.7	2,255	88
32369	Serpens	9½	34 16.82	3,593	111 29 57.8	2,247	173
32370	Hercules	6	34 16.86	+2,459	65 19 29.3	2,247	475
32371	Draco.....	9	34 16.86	-1,767	15 21 46.5	2,247	359
32372	Ophiuchus....	8½	34 17.15	+2,830	79 46 31.7	2,246	86
32373	Ophiuchus....	8	34 19.11	3,108	91 38 21.5	2,243	97
32374	Draco.....	9	34 20.02	1,379	38 10 18.7	2,242	357
32375	Ophiuchus....	8	34 23.04	2,945	84 38 57.1	2,238	90
32376	Hercules	7½	34 23.10	2,424	64 5 42.6	2,238	169
32377	Draco.....	9½	34 25.70	0,282	25 29 37.1	2,234	362
32378	Ophiuchus....	7	34 31.58	3,007	87 19 12.8	2,225	291
32379	Hercules	8	34 32.24	1,909	48 52 5.3	2,224	294
32380	Ophiuchus....	7	34 33.08	3,007	87 19 12.8	2,223	291
32381	Hercules	6	34 33.85	1,805	46 25 27.7	2,222	10
32382	Hercules	7	34 34.48	1,805	46 25 24.2	2,221	165
32383	Hercules	8	34 34.63	2,614	71 4 20.0	2,221	76
32384	Ophiuchus....	8	34 34.88	2,795	78 18 51.7	2,220	85
32385	Hercules	8	34 35.13	2,614	71 4 21.7	2,220	77
32386	Hercules	7½	34 36.28	2,403	63 20 41.7	2,218	169
32387	Ophiuchus....	8	34 36.32	3,071	90 2 6.3	2,218	95
32388	Ophiuchus....	9	34 43.88	2,789	78 3 58.2	2,207	85
32389	Serpens	7½	34 47.63	3,310	100 15 27.4	2,202	472
32390	Hercules	7½	34 47.88	2,539	68 15 15.3	2,202	475
32391	Draco.....	7½	34 48.20	1,492	40 6 39.4	2,201	358
32392	Ophiuchus....	8½	34 50.42	2,876	81 42 13.2	2,198	88
32393	Hercules	8½	34 50.90	2,032	52 0 54.7	2,197	79
32394	Hercules	7	34 52.38	2,317	60 28 33.1	2,195	168
32395	Draco.....	7½	34 55.00	1,108	34 7 37.8	2,192	360
32396	Hercules	9	34 56.38	2,539	68 14 11.2	2,190	475
32397	Hercules	7½	34 56.40	1,883	48 14 12.5	2,190	294
32398	Ophiuchus....	5½	34 58.87	3,769	117 44 24.6	2,186	568
32399	Ophiuchus....	5½	34 59.04	3,769	117 44 13.3	2,186	567
32400	Hercules	8	17 35 0.06	+2,453	65 6 34.9	+2,184	475

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32401	Ophiuchus	8	17	35	3.58	+3,149	93	24	34.3
32402	Serpens	8½		35	4.00	3,382	103	12	46.5
32403	Serpens	8½		35	4.40	3,382	103	12	36.5
32404	Draco	9		35	4.58	0,405	26	32	35.5
32405	Serpens	8		35	5.41	3,448	105	54	31.7
32406	Hercules	7		35	6.02	1,883	48	14	31.9
32407	Hercules	6		35	8.42	2,466	65	34	30.5
32408	Ophiuchus	6		35	8.94	+2,726	75	29	30.2
32409	Ursa Minor . .	9		35	9.54	-2,809	12	44	35.1
32410	Ophiuchus	7		35	11.48	+2,741	76	7	5.1
32411	Ophiuchus	9		35	12.83	+2,844	80	23	7.2
32412	Draco	9		35	14.11	-0,376	21	6	1.2
32413	Ophiuchus	9		35	15.47	+3,066	89	49	44.4
32414	Draco	9		35	17.92	-0,262	21	45	28.2
32415	Hercules	7½		35	18.14	+2,308	60	14	33.8
32416	Hercules	8½		35	21.69	2,288	59	32	28.9
32417	Hercules	9		35	23.42	2,686	73	53	42.5
32418	Ophiuchus	8½		35	24.18	3,692	115	5	54.2
32419	Hercules	7½		35	28.65	2,389	62	52	31.6
32420	Hercules	8		35	32.83	1,908	48	52	12.6
32421	Ophiuchus	8		35	35.79	3,576	110	44	52.8
32422	Ophiuchus	7½		35	39.28	3,254	97	53	2.3
32423	Hercules	7½		35	40.62	2,031	52	0	50.2
32424	Ophiuchus	6½		35	41.39	3,617	112	23	17.4
32425	Hercules	8½		35	44.76	2,534	68	3	5.8
32426	Serpens	8		35	45.58	3,502	108	1	4.6
32427	Ophiuchus	7½		35	46.42	2,934	84	11	24.7
32428	Hercules	8		35	49.22	2,609	70	54	33.1
32429	Hercules	8		35	49.75	2,609	70	54	37.9
32430	Hercules	8		35	54.50	2,203	56	54	57.9
32431	Hercules	8		35	55.53	2,203	56	55	5.4
32432	Ophiuchus	6½		35	58.17	3,744	116	53	16.3
32433	Hercules	8		36	0.78	2,669	73	13	22.2
32434	Ophiuchus	7		36	4.90	2,805	78	45	45.6
32435	Ophiuchus	7½		36	5.35	3,134	92	46	2.4
32436	Ophiuchus	7½		36	8.09	2,930	83	59	54.1
32437	Ophiuchus	7½		36	8.96	2,935	84	12	40.5
32438	Ophiuchus	7		36	14.88	3,043	88	51	50.9
32439	Hercules	8½		36	15.22	1,797	46	15	15.5
32440	Ophiuchus	9	17	36	16.31	+3,256	97	58	51.5

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32441	Ophiuchus	9	17 36 18,20	+2,840	80 12 26,3	+2,070	86
32442	Ophiuchus	7½	36 18,65	2,939	84 22 29,7	2,069	90
32443	Hercules	8	36 19,16	2,602	70 37 8,1	2,069	77
32444	Hercules	8	36 19,43	2,602	70 37 4,4	2,068	76
32445	Ophiuchus	8½	36 20,37	3,096	91 7 26,9	2,067	95
32446	Ophiuchus	7½	36 23,13	+2,936	84 14 49,4	2,064	90
32447	Draco	8	36 24,97	-0,382	21 4 39,2	2,061	359
32448	Draco	9	36 27,70	-2,175	14 13 54,4	2,056	360
32449	Hercules . . . .	.	36 29,33	+2,024	51 49 41,5	2,054	79
32450	Ophiuchus	8	36 31,91	3,108	91 37 50,4	2,050	97
32451	Draco	8	36 32,76	1,023	33 1 7,4	2,049	360
32452	Hercules	8½	36 34,70	2,446	64 53 57,5	2,046	169
32453	Draco	9½	36 40,93	0,864	31 5 29,6	2,037	355
32454	Draco	8½	36 44,41	0,980	32 29 20,4	2,032	355
32455	Draco	6½	36 46,67	1,372	38 4 43,8	2,029	357
32456	Draco	6	36 47,03	1,372	38 4 43,4	2,029	357
32457	Hercules	8	36 48,80	2,043	52 19 51,0	2,026	79
32458	Hercules	8	36 50,77	2,665	73 4 54,6	2,023	80
32459	Serpens	8½	36 50,77	3,470	106 44 33,3	2,023	471
32460	Draco	10	36 53,38	0,872	31 11 11,5	2,019	355
32461	Ophiuchus	7½	36 53,61	2,933	84 8 2,0	2,018	90
32462	Hercules	8½	36 54,24	2,371	62 17 19,6	2,018	299
32463	Hercules	8	36 57,06	2,246	58 14 50,8	2,014	473
32464	Hercules	7	36 57,55	2,195	56 40 43,3	2,013	293
32465	Hercules	8½	36 58,00	2,590	70 11 5,5	2,013	76
32466	Ophiuchus	8½	37 0,37	3,093	91 1 4,4	2,009	95
32467	Hercules	8½	37 3,13	+2,521	67 34 52,1	2,005	475
32468	Draco	9½	37 8,16	-0,383	21 4 29,5	1,998	359
32469	Hercules	6½	37 9,94	+1,777	45 49 18,6	1,995	10
32470	Ophiuchus	8½	37 10,13	3,152	93 33 31,7	1,995	98
32471	Ophiuchus	8	37 10,92	3,642	113 17 5,8	1,994	173
32472	Ophiuchus	7½	37 11,27	3,642	113 17 14,2	1,994	566
32473	Ophiuchus	8	37 16,48	3,964	85 28 59,5	1,986	91
32474	Draco	7	37 17,22	0,988	32 35 24,0	1,985	355
32475	Hercules	8½	37 18,87	1,883	48 17 16,8	1,983	294
32476	Ophiuchus	8	37 19,89	2,746	76 19 23,3	1,981	83
32477	Ophiuchus	9	37 21,65	2,831	79 49 20,2	1,978	86
32478	Ophiuchus	8½	37 24,14	2,830	79 46 50,0	1,974	86
32479	Ophiuchus	8½	37 25,95	2,813	79 6 15,4	1,972	85
32480	Hercules	8	17 37 26,97	+2,533	68 1 22,6	+1,971	475

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32481	Ophiuchus	7	17 37 31.69	+2,838	80 8 12.6	+1,963	86
32482	Draco	8½	37 31.91	-0,327	21 23 52.8	1,963	356
32483	Hercules	10	37 35.10	+2,523	67 41 23.2	1,959	475
32484	Ophiuchus	7½	37 35.73	2,716	75 8 3.2	1,958	82
32485	Serpens	8½	37 35.88	3,309	100 11 21.0	1,957	472
32486	Ophiuchus	8½	37 36.82	3,740	116 43 50.3	1,956	567
32487	Hercules	8	37 38.22	+2,646	72 20 3.1	1,954	80
32488	Draco	8½	37 39.84	-0,307	21 30 40.8	1,952	356
32489	Draco	9	37 41.03	+1,356	37 50 1.8	1,950	357
32490	Draco	8½	37 41.73	1,357	37 51 3.5	1,949	357
32491	Ophiuchus	7½	37 44.22	3,666	114 7 38.6	1,945	566
32492	Ophiuchus	8	37 44.24	3,552	109 55 32.8	1,945	172
32493	Ophiuchus	7	37 51.13	3,747	116 58 47.9	1,936	567
32494	Ophiuchus . . γ	3	37 52.13	3,005	87 12 17.8	1,934	291
32495	Draco	9	37 52.16	0,222	25 3 4.1	1,934	361
32496	Draco	9	37 52.81	0,222	25 2 56.7	1,933	362
32497	Hercules	8	37 54.74	1,931	49 27 26.8	1,930	12
32498	Ophiuchus	8	37 56.13	3,110	91 43 36.9	1,929	97
32499	Ophiuchus	8	37 56.82	3,091	90 55 58.7	1,927	95
32500	Hercules	7½	38 6.02	2,710	74 52 34.5	1,914	82
32501	Ophiuchus	8½	38 6.32	+3,636	113 2 59.4	1,914	173
32502	Draco ω	5	38 7.47	-0,371	21 9 3.7	1,912	359
32503	Draco ω	5	38 8.18	-0,371	21 9 6.1	1,911	356
32504	Hercules	8	38 8.19	+2,638	72 1 34.5	1,911	80
32505	Hercules	6	38 8.56	2,251	58 24 26.8	1,910	473
32506	Hercules	8	38 8.99	2,014	51 35 12.9	1,909	295
32507	Hercules	8½	38 11.73	1,776	45 49 45.0	1,905	10
32508	Ophiuchus	8½	38 11.78	3,684	114 46 31.0	1,905	566
32509	Ophiuchus	7	38 12.20	+3,119	92 6 48.8	1,905	97
32510	Draco	7½	38 15.76	-1,681	15 39 17.3	1,899	359
32511	Hercules	6½	38 16.30	+1,732	44 52 16.9	1,899	353
32512	Draco	9	38 17.69	1,083	33 49 35.6	1,897	360
32513	Hercules	5½	38 18.29	2,643	72 13 4.6	1,896	80
32514	Ophiuchus	6	38 23.14	2,979	86 6 57.2	1,889	91
32515	Ophiuchus	8½	38 24.10	2,878	81 47 24.5	1,888	88
32516	Ophiuchus	8½	38 30.64	3,111	91 47 12.8	1,878	97
32517	Ophiuchus	7½	38 34.00	2,716	75 6 29.6	1,872	82
32518	Hercules	7½	38 34.59	2,425	64 9 47.8	1,872	169
32519	Hercules . . μ	4	38 37.85	2,366	62 9 7.0	1,867	299
32520	Hercules . . μ	4	17 38 38.21	+2,366	62 9 7.4	+1,867	169

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32521	Hercules .. μ	4	17 38 38,27	+2,366	62 9 4,9	+1,867	168
32522	Ophiuchus	8½	38 38,44	2,880	81 53 13,7	1,866	82
32523	Hercules	9	38 40,77	2,465	65 34 50,2	1,863	475
32524	Ophiuchus	9	38 41,91	3,314	100 23 42,7	1,862	472
32525	Serpens	8	38 41,92	3,366	102 31 54,3	1,862	348
32526	Hercules	7	38 48,23	2,612	71 1 43,4	1,852	78
32527	Hercules	7	38 48,66	2,612	71 1 40,7	1,852	76
32528	Ophiuchus	8	38 49,00	2,714	75 3 48,4	1,851	82
32529	Ophiuchus	7½	38 49,22	2,716	75 6 33,9	1,851	83
32530	Ophiuchus	8½	38 50,37	2,789	78 4 54,2	1,849	85
32531	Serpens	9½	38 50,47	3,524	108 50 12,5	1,849	170
32532	Draco	9	38 50,51	0,260	25 21 35,7	1,849	361
32533	Ophiuchus	8	38 51,49	2,717	75 9 59,5	1,848	82
32534	Draco	9	38 51,75	0,260	25 21 30,1	1,848	362
32535	Ophiuchus	7½	38 52,21	2,717	75 9 50,8	1,847	83
32536	Serpens	9	38 52,97	3,449	105 53 38,4	1,846	471
32537	Ophiuchus	8	38 55,62	2,935	84 13 10,2	1,842	90
32538	Hercules	9	38 58,60	1,842	47 19 31,7	1,838	10
32539	Hercules	9	38 59,12	1,842	47 19 24,4	1,837	294
32540	Ophiuchus	7½	38 59,71	3,631	112 50 29,3	1,835	173
32541	Draco	9	38 59,75	1,116	34 16 46,4	1,835	360
32542	Hercules	8	39 1,14	2,356	61 49 23,5	1,834	299
32543	Hercules	8	39 2,30	2,508	67 8 34,4	1,832	475
32544	Draco	7½	39 3,22	0,367	26 14 2,8	1,831	362
32545	Ophiuchus	8	39 6,90	2,952	84 57 8,4	1,826	90
32546	Ophiuchus	8½	39 8,71	3,120	92 8 58,4	1,823	97
32547	Draco	9	39 10,44	0,722	29 33 50,8	1,820	355
32548	Hercules	8	39 10,76	2,468	65 40 22,1	1,820	475
32549	Serpens	8½	39 10,79	3,453	106 4 52,4	1,820	471
32550	Serpens	8½	39 11,63	3,355	102 5 11,4	1,818	348
32551	Ophiuchus	8½	39 11,85	3,058	89 29 38,7	1,818	95
32552	Hercules	6	39 14,02	1,992	51 1 51,3	1,815	12
32553	Ophiuchus	7	39 14,04	3,022	87 57 55,9	1,815	291
32554	Draco	9	39 14,30	0,201	24 54 23,9	1,814	361
32555	Hercules	6½	39 22,38	1,975	50 35 37,9	1,803	12
32556	Hercules	8	39 26,12	2,332	61 29,6	1,798	168
32557	Ophiuchus	7	39 27,86	3,652	113 36 23,8	1,795	566
32558	Draco	9	39 29,10	0,163	24 34 5,4	1,794	361
32559	Ophiuchus	8½	39 31,91	3,711	115 42 6,7	1,789	567
32560	Ophiuchus	8	17 39 32,19	+2,874	81 39 17,8	+1,788	82

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32561	Hercules	8½	17 39 37.73	+2,607	70 51 14.1	+1,782	76
32562	Hercules	9	39 38.27	2,607	70 51 16.7	1,780	78
32563	Draco.....	9½	39 40.78	1,372	38 7 26.4	1,776	357
32564	Ophiuchus....	7	39 42.49	2,966	85 32 54.4	1,774	91
32565	Ophiuchus....	8	39 45.22	3,084	90 36 17.0	1,770	95
32566	Draco.....	7	39 48.57	1,243	36 6 31.4	1,765	354
32567	Ophiuchus....	8½	39 51.82	3,056	89 24 42.4	1,760	95
32568	Hercules	6½	39 53.01	2,093	53 44 45.4	1,758	295
32569	Serpens	8	39 53.99	3,547	109 42 14.4	1,757	172
32570	Serpens	9½	39 54.94	3,519	108 39 23.0	1,756	170
32571	Hercules	8	39 57.44	2,336	61 9 47.6	1,752	168
32572	Hercules	7½	39 57.58	2,336	61 9 42.5	1,752	299
32573	Ophiuchus....	8	39 58.11	2,825	79 35 9.4	1,751	86
32574	Serpens	7	39 59.43	3,540	109 27 7.5	1,749	172
32575	Draco.....	8	39 59.54	1,475	39 52 9.5	1,749	358
32576	Hercules	8½	40 1.45	2,340	61 16 46.8	1,746	168
32577	Hercules	8½	40 1.54	2,340	61 16 47.7	1,746	299
32578	Ophiuchus....	8½	40 2.37	3,016	87 41 44.3	1,745	291
32579	Ophiuchus....	9	40 6.23	3,192	95 15 33.6	1,740	290
32580	Hercules ....	.	40 6.47	2,554	68 50 37.3	1,739	475
32581	Hercules	6½	40 6.53	2,602	70 40 9.5	1,739	76
32582	Hercules	6	40 6.81	+2,602	70 40 13.1	1,739	78
32583	Draco.....	9	40 11.38	-1,339	16 48 58.6	1,732	359
32584	Ophiuchus....	7½	40 13.49	+3,624	112 36 4.5	1,729	173
32585	Serpens	8	40 18.05	+3,555	110 2 38.5	1,722	172
32586	Draco.....	8	40 19.95	-0,456	20 42 18.2	1,720	359
32587	Ophiuchus....	8	40 23.70	+2,977	86 1 26.0	1,714	91
32588	Hercules	8½	40 25.71	2,645	72 19 17.6	1,711	80
32589	Ophiuchus....	8½	40 27.64	+2,973	85 51 11.6	1,708	91
32590	Draco.....	9	40 27.65	-2,805	12 46 46.6	1,708	361
32591	Ophiuchus....	8½	40 27.90	+2,738	76 0 15.2	1,708	83
32592	Serpens	9	40 31.26	3,470	106 43 2.8	1,703	471
32593	Draco.....	9	40 31.93	1,073	33 43 4.5	1,702	360
32594	Draco.....	9	40 34.05	0,171	24 41 23.4	1,698	361
32595	Draco.....	10	40 36.69	1,362	37 58 5.3	1,695	357
32596	Draco.....	9	40 36.92	1,363	37 58 5.9	1,694	357
32597	Draco.....	10	40 37.09	1,372	38 7 27.5	1,693	357
32598	Draco.....	9	40 37.78	1,372	38 7 31.1	1,693	357
32599	Ophiuchus....	8½	40 39.64	2,973	85 51 56.5	1,690	91
32600	Hercules	6	17 40 39.75	+2,156	55 33 40.9	+1,690	293

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32601	Ophiuchus	6½	17 40 41,31	+2,837	80° 4' 40,9	+1,689	86
32602	Serpens	8	40 42,72	3,503	108 1 29,6	1,686	170
32603	Hercules	6	40 42,73	2,428	64 18 3,9	1,686	169
32604	Sagittarius	8½	40 42,88	3,765	117 33 48,5	1,686	568
32605	Serpens	8	40 44,54	3,475	106 54 3,9	1,684	471
32606	Serpens	8	40 47,41	3,467	106 35 9,1	1,680	471
32607	Ophiuchus . . . .	.	40 54,05	2,891	82 20 56,3	1,669	118
32608	Hercules	8½	40 57,38	2,323	60 44 13,7	1,665	168
32609	Draco	9	40 57,39	1,466	39 44 3,6	1,665	358
32610	Hercules	7	40 59,70	2,566	69 17 24,7	1,662	475
32611	Hercules	7½	40 59,73	2,566	69 17 24,9	1,662	78
32612	Ophiuchus	9	40 59,96	3,303	99 54 48,9	1,662	296
32613	Hercules	7½	41 0,36	2,566	69 17 20,2	1,661	76
32614	Sagittarius	7½	41 1,81	3,755	117 13 16,3	1,659	568
32615	Sagittarius	7	41 1,95	3,755	117 13 12,4	1,659	567
32616	Hercules	8	41 4,79	2,175	56 7 20,5	1,654	293
32617	Hercules	8	41 4,80	2,469	65 45 10,0	1,654	475
32618	Hercules	8	41 6,65	2,698	74 26 4,4	1,651	82
32619	Ophiuchus	7½	41 7,73	2,844	80 23 12,1	1,650	86
32620	Ophiuchus	8	41 8,01	3,253	97 50 41,8	1,649	100
32621	Hercules	7½	41 9,11	2,558	69 0 19,4	1,647	475
32622	Ophiuchus	8½	41 10,82	3,167	94 9 56,1	1,645	98
32623	Hercules	9	41 10,87	2,324	60 46 54,7	1,645	168
32624	Hercules	7½	41 12,83	1,811	46 37 53,9	1,643	10
32625	Ophiuchus	9	41 19,29	3,054	89 18 32,4	1,633	95
32626	Hercules	7½	41 23,59	+2,560	69 3 28,4	1,627	475
32627	Draco	9	41 23,87	-2,921	12 32 35,4	1,627	361
32628	Ophiuchus	6	41 25,72	+2,786	77 59 1,7	1,624	85
32629	Hercules	7½	41 28,14	+1,949	49 57 6,0	1,620	11
32630	Draco	9	41 28,34	-1,614	15 53 14,3	1,620	359
32631	Hercules	8	41 28,92	+2,017	51 41 19,0	1,619	295
32632	Serpens	9	41 38,53	3,488	107 25 22,4	1,605	170
32633	Ophiuchus	6½	41 39,37	3,097	91 10 17,4	1,604	95
32634	Ophiuchus	6½	41 39,98	+3,097	91 10 23,9	1,603	97
32635	Draco	9	41 40,65	-0,447	20 45 45,0	1,603	359
32636	Hercules	7½	41 41,60	+1,924	49 19 55,5	1,601	294
32637	Draco	8½	41 41,82	+1,329	37 26 26,4	1,601	357
32638	Draco	8	41 42,85	-0,108	22 45 31,6	1,599	356
32639	Ophiuchus	8	41 44,01	+2,779	77 43 12,2	1,597	85
32640	Serpens	9	17 41 45,09	+3,361	102 20 26,1	+1,595	348

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32641	Hercules	7	17 41 46,31	+1,605	42 18 47,7	+1,593	353
32642	Hercules	8½	41 46,69	1,842	47 21 42,5	1,593	294
32643	Hercules	7½	41 48,68	2,461	65 27 43,6	1,590	475
32644	Ophiuchus	8	41 51,01	3,043	88 50 18,3	1,587	94
32645	Ophiuchus	8	41 51,76	3,043	88 50 9,3	1,586	291
32646	Hercules	9	41 53,24	1,954	50 4 26,9	1,584	12
32647	Ophiuchus ....	.	41 55,67	3,212	96 4 41,8	1,581	290
32648	Serpens	7½	41 55,89	3,550	109 49 40,5	1,580	172
32649	Ophiuchus	7	41 56,01	3,042	88 49 27,2	1,580	94
32650	Ophiuchus	7	41 56,71	3,042	88 49 27,3	1,579	291
32651	Serpens	6	41 57,25	3,325	100 50 14,2	1,578	472
32652	Ophiuchus	7	41 57,66	3,191	95 11 56,2	1,577	98
32653	Serpens	9	41 57,71	3,442	105 35 52,4	1,577	471
32654	Serpens	7	41 58,41	3,191	95 11 53,0	1,576	290
32655	Ophiuchus	7½	42 1,21	3,101	91 21 50,6	1,572	95
32656	Ophiuchus	7½	42 1,54	3,101	91 21 58,1	1,571	97
32657	Ophiuchus	9	42 3,49	2,964	85 28 58,1	1,569	91
32658	Hercules	7½	42 4,43	2,060	52 51 44,0	1,567	295
32659	Hercules	8	42 4,64	2,195	56 44 24,9	1,567	293
32660	Hercules	7½	42 5,69	1,774	45 49 18,5	1,566	10
32661	Hercules	7½	42 6,71	2,438	64 38 31,7	1,564	169
32662	Ophiuchus	7	42 6,98	2,964	85 26 53,0	1,564	91
32663	Draco	9	42 7,24	0,698	29 20 35,0	1,563	355
32664	Ophiuchus	7	42 7,55	3,253	97 50 46,6	1,563	288
32665	Ophiuchus	8	42 9,13	3,312	100 18 28,1	1,561	296
32666	Ophiuchus	8	42 12,19	3,193	95 17 24,3	1,556	98
32667	Ophiuchus	9	42 12,37	3,193	95 17 21,2	1,556	290
32668	Hercules	8	42 12,51	2,495	66 40 36,0	1,555	475
32669	Hercules	8½	42 13,16	2,626	71 35 6,7	1,555	80
32670	Ophiuchus	8	42 14,31	2,780	77 44 25,9	1,553	85
32671	Hercules	9	42 16,65	2,602	70 41 12,0	1,550	78
32672	Draco	9	42 17,72	1,257	36 20 33,5	1,548	354
32673	Hercules	8	42 18,25	2,273	59 8 37,0	1,547	473
32674	Ophiuchus	7½	42 18,25	2,911	83 12 29,6	1,547	90
32675	Serpens	9½	42 21,01	3,486	107 21 16,7	1,544	170
32676	Draco	9	42 21,35	0,724	29 36 47,0	1,543	355
32677	Hercules	9	42 24,41	2,324	60 46 21,0	1,538	168
32678	Hercules	8	42 24,90	2,352	61 41 52,5	1,538	299
32679	Ophiuchus	6	42 27,45	3,038	88 37 57,5	1,534	94
32680	Ophiuchus	6	17 42 28,06	+3,038	88 37 56,7	+1,533	291

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32681	Ophiuchus	8	17 42 28,32	+2,919	83 33 0,2	+1,532	90
32682	Ophiuchus	7	42 32,59	3,207	95 52 8,9	1,526	290
32683	Ophiuchus	8	42 34,33	2,861	81 6 54,7	1,524	86
32684	Ophiuchus	7½	42 34,50	2,784	77 55 39,0	1,524	85
32685	Ophiuchus	6½	42 35,99	3,687	114 49 54,8	1,522	566
32686	Ophiuchus	6	42 36,05	3,687	114 49 51,6	1,522	567
32687	Hercules	7	42 37,29	1,606	42 20 34,0	1,519	353
32688	Hercules	6	42 37,86	2,319	60 36 49,7	1,519	168
32689	Ophiuchus	8	42 39,13	3,272	98 38 56,2	1,517	288
32690	Hercules	8½	42 44,35	1,850	47 32 44,5	1,510	294
32691	Hercules	7½	42 45,00	2,711	74 55 47,2	1,509	82
32692	Hercules	8½	42 50,17	2,553	58 48 58,1	1,501	475
32693	Hercules	6½	42 57,02	2,703	74 36 46,6	1,491	82
32694	Serpens	6½	42 59,16	3,336	101 16 40,8	1,488	472
32695	Serpens	6½	42 59,62	3,336	101 16 51,8	1,487	348
32696	Serpens	7	42 59,83	3,336	101 16 49,3	1,487	296
32697	Ophiuchus	7½	43 4,86	2,865	81 17 26,8	1,479	86
32698	Draco	9½	43 5,79	1,076	33 47 11,5	1,478	360
32699	Hercules . . . .	.	43 6,58	1,962	50 17 26,4	1,477	12
32700	Ophiuchus	8	43 8,00	2,785	77 57 0,6	1,475	85
32701	Hercules	7	43 8,28	2,670	73 18 26,7	1,474	80
32702	Hercules	9	43 9,08	2,383	62 44 35,4	1,474	299
32703	Hercules	8½	43 10,32	2,386	62 52 10,5	1,472	299
32704	Ophiuchus	9	43 16,97	2,883	82 2 14,8	1,462	86
32705	Ophiuchus	8	43 17,90	3,006	87 16 23,4	1,461	291
32706	Serpens	9½	43 23,78	3,509	108 14 20,0	1,453	170
32707	Ophiuchus	6	43 30,23	2,926	83 50 40,2	1,442	90
32708	Hercules	8	43 36,94	1,540	41 5 44,6	1,433	358
32709	Hercules	7	43 37,10	2,068	53 5 25,7	1,432	295
32710	Hercules	6	43 37,62	2,663	73 2 20,0	1,432	80
32711	Ophiuchus	8½	43 41,81	3,167	94 9 26,9	1,426	98
32712	Ophiuchus	7	43 42,07	3,106	91 33 46,8	1,425	97
32713	Hercules	10	43 44,32	1,546	41 12 9,6	1,422	358
32714	Hercules	8	43 44,39	1,868	47 58 34,6	1,422	294
32715	Ophiuchus	8	43 45,29	3,054	89 20 48,2	1,421	95
32716	Serpens	7	43 46,09	3,343	101 34 49,8	1,420	348
32717	Ophiuchus	8½	43 48,37	2,787	78 2 3,6	1,416	85
32718	Hercules	7½	43 48,66	+2,466	65 38 7,6	1,416	475
32719	Draco	9	43 53,42	-0,445	20 47 12,3	1,409	359
32720	Ophiuchus	9	17 43 54,27	+3,052	89 14 38,0	+1,408	95

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32721	Sagittarius....	8	17 43 55.89	+3,741	116 43 14.5	+1,406	567
32722	Hercules	8	43 56.97	2,392	63 5 17.4	1,404	299
32723	Ophiuchus....	7½	43 58.56	3,149	93 24 2.0	1,402	98
32724	Hercules	8½	44 0.05	+1,970	50 30 2.0	1,399	12
32725	Draco.....	8	44 0.87	-1,299	16 58 58.5	1,398	359
32726	Hercules	7	44 2.71	+2,409	63 38 54.7	1,395	169
32727	Sagittarius....	6½	44 4.68	3,780	118 1 2.9	1,393	568
32728	Hercules	8½	44 5.56	1,966	50 23 56.9	1,391	12
32729	Ophiuchus....	8	44 5.86	3,620	112 24 31.3	1,391	173
32730	Ophiuchus....	6½	44 7.53	3,250	97 40 42.4	1,389	288
32731	Ophiuchus....	8	44 7.62	3,250	97 40 48.9	1,389	100
32732	Hercules	8	44 7.94	+2,036	52 13 41.8	1,388	295
32733	Draco.....	9	44 8.00	-1,308	16 56 53.3	1,388	359
32734	Serpens	6½	44 9.52	+3,523	108 45 7.9	1,386	171
32735	Hercules	7½	44 13.57	2,446	64 56 58.7	1,379	475
32736	Ophiuchus....	8	44 13.89	2,742	76 11 40.5	1,379	83
32737	Hercules	8½	44 15.08	2,572	69 31 51.4	1,377	78
32738	Draco.....	8½	44 17.25	0,821	30 40 50.5	1,374	355
32739	Hercules	8½	44 17.60	1,810	46 38 5.9	1,374	10
32740	Draco.....	5	44 17.70	1,432	39 9 57.3	1,373	357
32741	Draco.....	5	44 17.79	1,432	39 9 56.0	1,373	357
32742	Ophiuchus....	8	44 19.47	3,645	113 20 35.7	1,371	173
32743	Ophiuchus....	.	44 19.98	3,004	87 11 50.8	1,370	94
32744	Ophiuchus....	9	44 20.42	3,288	97 25 14.4	1,370	288
32745	Draco.....	9	44 24.31	1,160	34 56 37.3	1,363	360
32746	Hercules	8½	44 25.01	2,388	62 56 18.3	1,363	299
32747	Hercules	8	44 25.96	2,008	51 29 47.9	1,361	295
32748	Hercules	8½	44 27.21	2,262	58 49 14.5	1,359	473
32749	Ophiuchus....	6½	44 31.19	2,981	86 12 59.3	1,354	91
32750	Hercules	7½	44 34.07	2,382	62 44 57.0	1,350	299
32751	Hercules	8	44 35.70	1,756	45 27 4.7	1,348	10
32752	Ophiuchus....	9	44 40.19	2,947	84 45 11.2	1,341	90
32753	Hercules	5½	44 44.62	1,945	49 52 9.0	1,335	12
32754	Hercules	8	44 45.04	2,691	74 8 46.1	1,334	82
32755	Ophiuchus....	8½	44 46.90	3,109	91 40 56.6	1,331	97
32756	Hercules	8	44 47.69	2,171	56 3 13.3	1,329	293
32757	Serpens	6	44 49.01	3,446	105 45 47.3	1,328	471
32758	Hercules	7½	44 49.59	1,564	41 32 45.2	1,327	353
32759	Hercules	9	44 49.95	2,171	56 1 47.2	1,326	293
32760	Hercules	8	17 44 50.06	+1,564	41 32 45.0	+1,326	358

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32761	Hercules	9	17 44 51.61	+2,659	72 54 57.1	+1,324	80
32762	Ophiuchus	6½	44 52.90	2,806	78 48 27.2	1,323	85
32763	Hercules	7½	44 53.51	2,630	71 45 59.5	1,321	80
32764	Hercules	8	44 53.86	2,274	59 12 3.9	1,321	473
32765	Hercules	9	44 54.39	1,876	48 10 46.4	1,320	294
32766	Ophiuchus	7	44 54.53	3,661	113 53 46.2	1,320	566
32767	Hercules	8½	44 57.66	2,554	68 53 16.8	1,315	475
32768	Draco.....	7½	44 57.90	+1,216	35 44 49.5	1,315	354
32769	Draco.....	8	44 58.47	-1,153	17 30 52.9	1,314	360
32770	Hercules	8	44 59.70	+2,547	68 37 32.5	1,312	475
32771	Hercules	7½	45 2.11	1,690	44 2 29.1	1,309	353
32772	Hercules	8½	45 3.37	2,161	55 44 23.9	1,307	293
32773	Hercules	8	45 9.45	2,446	64 57 11.6	1,298	475
32774	Ophiuchus	8	45 10.28	3,053	89 17 6.4	1,297	95
32775	Hercules	8½	45 11.64	2,269	59 1 47.8	1,295	168
32776	Hercules	8	45 14.19	2,446	64 56 59.7	1,291	169
32777	Hercules	8½	45 15.26	2,662	73 0 31.0	1,290	80
32778	Serpens	8	45 18.62	3,443	105 38 22.6	1,285	471
32779	Hercules	6	45 19.98	1,737	45 2 12.1	1,283	353
32780	Hercules ....	.	45 20.67	2,594	70 24 7.0	1,281	78
32781	Hercules	8	45 20.82	2,267	58 58 3.5	1,281	473
32782	Hercules ....	.	45 21.50	+2,267	58 58 2.6	1,280	168
32783	Draco.....	8½	45 22.38	-0.435	20 50 57.0	1,279	359
32784	Ophiuchus	8½	45 22.66	+3,225	96 37 23.7	1,279	290
32785	Hercules	7½	45 24.40	+2,452	65 10 20.9	1,277	475
32786	Draco.....	9½	45 24.69	-0,148	22 31 33.1	1,277	356
32787	Ophiuchus	8½	45 25.77	+3,133	92 43 26.7	1,275	97
32788	Ophiuchus	8½	45 26.10	2,838	80 9 43.6	1,274	86
32789	Ophiuchus	7½	45 29.22	+2,952	84 57 27.2	1,270	90
32790	Draco ψ	7	45 29.89	-1,098	17 45 21.8	1,269	360
32791	Draco.....	8½	45 30.76	-1,100	17 44 50.6	1,268	360
32792	Ophiuchus	7½	45 32.37	+3,020	87 52 44.5	1,265	94
32793	Ophiuchus	7	45 32.67	3,020	87 52 41.2	1,265	291
32794	Ophiuchus	8½	45 32.82	3,058	89 29 2.6	1,264	95
32795	Hercules	9	45 33.73	1,563	41 32 39.3	1,263	358
32796	Hercules	5½	45 34.60	1,948	49 57 57.5	1,262	12
32797	Hercules	8½	45 35.74	1,999	51 15 40.3	1,260	295
32798	Ophiuchus	7½	45 36.82	2,768	77 16 22.4	1,258	83
32799	Hercules	7½	45 37.56	2,678	73 38 27.8	1,257	82
32800	Ophiuchus	8	17 45 38.93	+3,175.	94 31 52.8	+1,255	98

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32801	Draco.....	.	17 45 45.62	+0.429	26 48' 44.6	+1.246	362
32802	Hercules	9	45 49.36	2.672	73 23 38.5	1.240	82
32803	Ophiuchus....	8	45 49.39	2.860	81 3 11.5	1.240	88
32804	Hercules	8½	45 49.63	2.555	58 55 40.9	1.240	475
32805	Draco.....	8½	45 56.21	1.404	38 42 6.4	1.230	357
32806	Draco.....	8	45 56.88	1.404	38 42 3.8	1.229	357
32807	Sagittarius....	6½	45 58.08	3.801	118 43 18.7	1.227	568
32808	Ophiuchus....	8	45 59.69	2.981	86 13 1.6	1.225	91
32809	Ophiuchus....	8	46 0.83	3.134	92 45 55.6	1.224	97
32810	Hercules	7½	46 3.23	1.994	51 7 39.1	1.220	295
32811	Ophiuchus....	8½	46 6.97	2.793	78 18 7.8	1.214	85
32812	Ophiuchus....	6	46 7.14	3.053	89 17 9.3	1.214	291
32813	Ophiuchus....	6½	46 7.36	3.053	89 17 7.9	1.214	95
32814	Draco.....	8	46 7.50	1.023	33 6 49.3	1.213	360
32815	Hercules	8½	46 9.11	2.378	62 36 7.4	1.212	299
32816	Hercules	7½	46 9.87	2.446	64 57 8.2	1.211	169
32817	Ophiuchus....	7	46 10.68	2.943	84 47 38.6	1.209	90
32818	Hercules	8	46 11.01	2.145	55 17 1.9	1.209	293
32819	Hercules	8½	46 11.52	2.495	66 43 5.6	1.208	475
32820	Hercules	8½	46 11.80	2.269	59 1 53.5	1.208	473
32821	Ophiuchus....	9½	46 11.89	3.225	96 38 13.5	1.207	290
32822	Serpens	6	46 14.11	3.164	94 2 23.3	1.204	98
32823	Ophiuchus....	9	46 14.68	2.817	79 17 33.0	1.203	86
32824	Sagittarius....	9½	46 15.64	3.811	119 1 54.3	1.201	568
32825	Ophiuchus....	8	46 16.03	+2.739	76 5 44.4	1.201	83
32826	Draco.....	9	46 16.91	-2.285	13 59 53.7	1.200	360
32827	Hercules	9	46 17.07	+2.670	73 19 33.0	1.199	81
32828	Ophiuchus....	7½	46 19.73	2.956	85 7 23.1	1.196	90
32829	Ophiuchus....	9½	46 19.90	3.225	96 38 49.5	1.196	290
32830	Hercules	7½	46 24.84	2.452	65 10 21.3	1.189	169
32831	Ophiuchus....	8	46 26.48	2.790	78 8 59.3	1.186	85
32832	Hercules	9	46 26.65	2.286	59 34 47.8	1.186	168
32833	Serpens	8	46 28.66	3.341	101 29 31.1	1.182	348
32834	Hercules	5	46 29.34	1.653	43 17 51.9	1.182	353
32835	Ophiuchus....	7½	46 31.37	2.851	80 41 5.9	1.179	86
32836	Hercules	8	46 33.41	2.370	62 20 22.1	1.176	299
32837	Serpens	9	46 34.58	3.345	101 38 39.7	1.174	348
32838	Hercules	7½	46 34.74	2.539	58 20 33.1	1.174	475
32839	Hercules	8½	46 37.60	2.435	64 34 7.5	1.170	169
32840	Hercules	17 46 39.83	+2.597	70 29 51.7	+1.169	78

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32841	Hercules	7	17 46 40,54	+1,829	47 5 21,8	+1,165	10
32842	Draco	9½	46 43,71	-0,182	22 19 23,6	1,161	356
32843	Hercules	7½	46 44,79	+1,856	47 44 10,3	1,160	294
32844	Hercules .. f	5	46 47,10	+1,947	49 56 44,8	1,156	12
32845	Draco	8½	46 49,75	-1,449	16 27 42,3	1,152	359
32846	Hercules	8	46 51,31	+2,145	55 17 4,8	1,150	18
32847	Sagittarius	7½	46 51,92	3,622	112 29 0,0	1,149	173
32848	Sagittarius	8½	46 52,22	3,715	115 47 3,4	1,149	567
32849	Ophiuchus	7½	46 52,87	2,744	76 16 33,4	1,148	83
32850	Ophiuchus	8	46 53,43	2,967	85 34 56,8	1,147	91
32851	Ophiuchus	7½	46 55,23	2,956	85 7 18,8	1,144	90
32852	Sagittarius	9	46 55,32	3,618	112 20 30,7	1,144	173
32853	Draco	9	46 55,56	1,411	38 49 52,7	1,144	357
32854	Draco	8	46 55,60	1,411	38 49 55,3	1,144	357
32855	Sagittarius	8½	46 58,68	3,644	113 16 56,6	1,140	566
32856	Hercules	8	46 58,90	2,303	60 8 15,1	1,139	168
32857	Hercules	9	47 0,02	2,143	55 14 28,8	1,137	293
32858	Ophiuchus	7½	47 0,71	2,952	84 58 25,4	1,136	90
32859	Serpens	7	47 6,84	3,473	106 49 10,1	1,127	471
32860	Ophiuchus	9	47 7,41	3,064	89 45 48,4	1,127	95
32861	Sagittarius	8	47 11,58	3,556	110 1 38,9	1,120	172
32862	Hercules	8	47 17,08	2,439	64 42 40,5	1,113	169
32863	Draco	8	47 20,64	0,839	30 54 22,4	1,108	355
32864	Draco	8	47 21,30	0,839	30 54 16,0	1,106	355
32865	Sagittarius	7½	47 21,37	3,621	112 26 1,2	1,106	173
32866	Hercules	8½	47 24,04	2,477	66 4 27,7	1,103	475
32867	Ophiuchus	8½	47 24,08	3,110	91 43 46,3	1,103	97
32868	Hercules	8½	47 27,07	2,442	64 49 37,5	1,097	169
32869	Ophiuchus	8	47 27,72	2,954	85 4 17,4	1,096	90
32870	Serpens	8½	47 30,00	3,349	101 49 49,3	1,093	348
32871	Draco	7½	47 31,39	0,465	27 8 32,4	1,091	355
32872	Draco	8	47 32,05	0,466	27 8 53,3	1,091	362
32873	Sagittarius	5½	47 35,20	3,658	113 46 58,2	1,086	566
32874	Draco	9	47 36,36	1,453	39 33 31,6	1,085	358
32875	Hercules	6½	47 37,74	2,626	71 37 57,8	1,082	80
32876	Hercules	7½	47 38,80	2,543	68 28 10,1	1,081	475
32877	Sagittarius	9	47 40,75	3,508	108 10 25,9	1,078	171
32878	Ophiuchus	9	47 44,54	3,269	98 29 1,7	1,073	100
32879	Ophiuchus	7	47 46,73	3,016	87 42 40,3	1,069	291
32880	Hercules	7½	17 47 46,94	+2,585	70 4 19,3	+1,069	78

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32881	Hercules	6½	17 47 50.46	+2,619	71 21 1.3	+1,064	80
32882	Hercules	6½	47 53.00	1,838	47 18 32.2	1,060	10
32883	Draco.....	9	47 53.33	0,229	25 10 37.7	1,059	361
32884	Ophiuchus....	8½	47 54.11	2,965	85 31 29.2	1,059	91
32885	Draco.....	8½	47 54.53	0,229	25 10 36.1	1,058	362
32886	Sagittarius....	7½	47 55.43	3,623	112 31 3.8	1,056	173
32887	Sagittarius....	7½	47 55.92	3,671	114 15 10.7	1,056	566
32888	Hercules	8	47 56.06	2,446	64 58 10.4	1,055	169
32889	Ophiuchus....	7	47 56.89	2,736	75 59 13.3	1,054	83
32890	Hercules	8½	47 57.10	2,482	66 14 34.9	1,054	475
32891	Draco.....	•	48 0.27	1,334	37 34 19.1	1,050	357
32892	Ophiuchus .. v	3½	48 1.26	3,299	99 44 4.3	1,048	474
32893	Hercules	7½	48 1.35	2,219	57 31 16.6	1,048	473
32894	Ophiuchus .. v	4	48 1.42	3,299	99 44 9.7	1,048	472
32895	Ophiuchus .. v	4	48 1.53	3,299	99 44 5.7	1,048	288
32896	Ophiuchus .. v	4	48 1.73	3,299	99 44 4.7	1,047	296
32897	Ophiuchus....	7½	48 3.82	2,769	77 19 57.3	1,044	85
32898	Sagittarius....	6½	48 6.41	3,564	110 18 30.7	1,041	172
32899	Draco.....	8	48 13.17	1,040	33 20 43.7	1,030	360
32900	Ophiuchus....	8½	48 15.29	+2,984	86 19 3.6	1,028	91
32901	Draco.....	8½	48 19.40	-1,216	17 18 33.6	1,022	360
32902	Ophiuchus....	8½	48 19.70	+2,977	86 2 11.0	1,021	91
32903	Ophiuchus....	8	48 23.29	2,788	78 4 51.2	1,016	85
32904	Hercules	9	48 25.29	2,624	71 32 41.7	1,013	80
32905	Hercules	8½	48 25.41	2,213	57 20 21.4	1,013	473
32906	Serpens	8	48 25.45	3,187	95 0 52.7	1,013	98
32907	Hercules	8½	48 28.42	2,212	57 17 31.3	1,009	473
32908	Serpens	8	48 29.49	3,361	102 19 9.1	1,007	348
32909	Hercules	8½	48 33.63	1,929	49 30 41.3	1,001	12
32910	Serpens	9	48 36.43	3,356	102 7 11.3	0,996	348
32911	Draco.....	9	48 38.87	0,436	26 53 34.0	0,993	362
32912	Ophiuchus....	8½	48 39.01	3,212	96 4 46.1	0,993	290
32913	Ophiuchus....	7½	48 41.89	2,736	75 58 15.9	0,989	83
32914	Serpens	8	48 42.21	3,454	106 2 24.7	0,988	471
32915	Sagittarius....	8	48 43.57	3,509	109 12 12.2	0,986	171
32916	Sagittarius....	8	48 44.36	3,518	108 33 5.0	0,985	171
32917	Hercules	8	48 46.28	2,440	64 45 16.8	0,982	169
32918	Ophiuchus....	8	48 50.13	2,829	79 47 54.2	0,977	86
32919	Hercules	8	48 50.22	1,887	48 29 3.6	0,977	294
32920	Ophiuchus....	9	17 48 56.17	+3,021	87 55 58.9	+0,968	94

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32921	Hercules	6½	17 48 58,12	+2,474	65 58 25,4	+0,965	475
32922	Hercules	6	48 58,38	1,722	44 44 36,6	0,965	353
32923	Serpens	6½	48 59,47	3,182	94 47 13,8	0,963	98
32924	Draco	9	48 59,99	1,333	37 34 14,7	0,963	357
32925	Hercules	7	49 1,01	+2,701	74 33 28,3	0,961	82
32926	Draco	9½	49 3,40	-0,562	20 11 35,9	0,958	359
32927	Hercules	7	49 4,50	+2,708	74 49 57,6	0,956	82
32928	Hercules	9½	49 8,05	2,471	65 51 10,2	0,951	495
32929	Serpens	9	49 8,89	3,447	105 46 44,2	0,950	471
32930	Hercules . . . .	.	49 10,88	2,573	69 37 20,8	0,947	78
32931	Hercules	8½	49 11,66	2,440	64 46 10,7	0,945	169
32932	Serpens	7	49 11,96	3,377	102 57 40,5	0,945	348
32933	Ophiuchus	8	49 12,72	2,953	85 54,4	0,944	90
32934	Hercules	8	49 19,61	1,778	45 57 38,2	0,934	10
32935	Hercules	3	49 23,98	2,053	52 42 52,6	0,927	295
32936	Ophiuchus	9	49 25,29	2,864	81 15 13,0	0,926	88
32937	Sagittarius	8	49 27,84	3,517	108 29 24,2	0,923	171
32938	Ophiuchus	8	49 33,88	3,096	91 8 18,3	0,912	95
32939	Hercules	8½	49 35,50	1,969	50 31 18,6	0,910	12
32940	Sagittarius	8	49 36,02	3,668	114 8 9,3	0,910	566
32941	Ophiuchus	9	49 37,68	+3,224	96 35 20,5	0,908	290
32942	Draco	8½	49 39,69	-2,136	14 23 34,2	0,905	360
32943	Ophiuchus	7½	49 42,81	+2,919	83 33 9,5	0,900	90
32944	Ophiuchus	7	49 43,51	2,715	75 7 14,7	0,899	82
32945	Ophiuchus	8½	49 45,51	2,774	77 32 5,7	0,896	85
32946	Sagittarius . . . .	.	49 47,57	3,630	112 45 31,3	0,893	173
32947	Ophiuchus	8	49 49,38	2,739	76 5 55,6	0,890	83
32948	Hercules	8	49 51,74	2,459	65 25 29,0	0,887	169
32949	Hercules	8	49 52,56	2,351	61 42 57,5	0,886	299
32950	Serpens ζ	4½	49 54,86	3,155	93 39 45,6	0,882	98
32951	Serpens ζ	4	49 55,02	3,155	93 39 49,2	0,882	474
32952	Hercules ξ	4	49 59,45	+2,320	60 43 13,4	0,876	168
32953	Draco	9½	49 59,59	-1,685	15 21 17,3	0,876	359
32954	Hercules ξ	4	49 59,65	+2,320	60 43 11,9	0,876	473
32955	Draco	8½	49 59,97	-0,304	21 36 23,6	0,875	359
32956	Draco	8	50 0,47	-0,304	21 36 23,8	0,874	356
32957	Ophiuchus	8	50 1,44	+3,065	89 48 17,1	0,873	95
32958	Draco	7	50 2,72	0,714	29 33 48,3	0,871	355
32959	Ophiuchus	7½	50 2,89	2,738	76 4 0,3	0,871	83
32960	Draco ξ	5	17 50 4,06	+1,019	33 5 28,9	+0,869	360

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32961	Draco..... E	4½	17 50 4.13	+1,020	33 5 31.5	+0,869	355
32962	Ophiuchus....	7	50 4.29	3,054	89 20 42.0	0,869	95
32963	Sagittarius....	7½	50 5.25	3,534	109 10 9.2	0,867	171
32964	Hercules	9	50 5.57	2,570	69 28 59.2	0,867	78
32965	Hercules	6	50 5.67	2,188	56 34 6.0	0,867	18
32966	Hercules	7	50 5.81	2,188	56 33 59.0	0,867	293
32967	Serpens	9	50 8.18	3,123	92 16 54.3	0,863	97
32968	Hercules	9	50 13.06	2,571	69 32 1.2	0,856	78
32969	Hercules	7½	50 13.84	2,376	62 34 30.3	0,855	299
32970	Hercules	7½	50 14.04	2,067	53 6 40.7	0,855	295
32971	Sagittarius....	•	50 15.22	3,637	113 0 38.5	0,853	173
32972	Hercules	8	50 15.85	2,173	56 7 18.9	0,852	293
32973	Hercules	7½	50 16.74	2,173	56 7 21.6	0,851	18
32974	Sagittarius....	7½	50 19.04	3,774	117 48 36.8	0,847	568
32975	Sagittarius....	8	50 23.28	3,671	114 14 17.7	0,841	566
32976	Ophiuchus....	7	50 23.89	2,916	83 25 16.8	0,840	90
32977	Sagittarius....	8	50 24.65	3,634	112 53 19.3	0,839	173
32978	Serpens	8½	50 27.10	3,310	100 12 37.8	0,835	296
32979	Hercules	8	50 30.05	2,446	64 57 48.3	0,831	169
32980	Serpens	7½	50 30.78	3,129	92 33 16.8	0,830	97
32981	Draco.....	9	50 32.90	+1,388	38 27 58.7	0,827	357
32982	Ursa Minor ..	8	50 35.45	-3,994	10 42 43.0	0,823	361
32983	Sagittarius....	6½	50 35.76	+3,672	114 15 52.9	0,823	566
32984	Ophiuchus....	4½	50 37.58	3,001	87 2 51.2	0,820	94
32985	Ophiuchus....	4½	50 38.12	3,001	87 2 44.9	0,819	91
32986	Sagittarius....	8½	50 38.57	+3,458	106 12 27.5	0,819	471
32987	Draco.....	7	50 38.88	-0,364	21 16 0.6	0,818	359
32988	Draco.....	8	50 39.45	-0,364	21 15 56.9	0,818	356
32989	Serpens	8	50 39.85	+3,381	103 7 40.1	0,817	348
32990	Ophiuchus....	8½	50 40.10	3,001	87 3 26.8	0,817	91
32991	Ophiuchus....	7	50 40.24	2,861	81 7 21.1	0,816	85
32992	Ophiuchus....	7	50 40.32	2,861	81 7 12.5	0,816	85
32993	Hercules	7½	50 41.06	2,571	69 31 4.0	0,815	78
32994	Sagittarius....	7	50 41.94	3,575	110 43 15.9	0,814	172
32995	Hercules	6½	50 42.43	2,213	57 19 19.8	0,813	293
32996	Serpens	9	50 47.85	3,379	103 1 36.6	0,805	348
32997	Hercules	8½	50 49.99	2,712	74 59 48.1	0,802	82
32998	Hercules .. v	5	50 50.67	2,292	59 47 2.7	0,801	473
32999	Hercules .. v	5	50 51.70	2,291	59 47 0.9	0,800	168
33000	Sagittarius....	8	17 50 55.54	+3,629	112 42 12.5	+0,794	173

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33001	Hercules	6	17 50 56,17	+1,733	44 58 55,2	+0,793	10
33002	Sagittarius....	7½	50 57,36	3,730	116 18 16,0	0,791	567
33003	Ophiuchus....	8	51 1,30	2,783	77 53 13,5	0,786	85
33004	Ophiuchus....	8½	51 2,36	2,790	78 11 23,0	0,784	85
33005	Sagittarius....	8	51 3,19	3,491	107 30 25,3	0,783	171
33006	Hercules	4½	51 4,03	1,715	44 37 6,7	0,782	353
33007	Hercules	6	51 4,70	1,715	44 37 5,9	0,781	10
33008	Ophiuchus....	6½	51 8,04	2,922	83 42 38,1	0,776	90
33009	Hercules	4½	51 9,29	2,667	73 13 36,2	0,774	80
33010	Hercules	7½	51 9,33	2,021	51 53 13,3	0,774	295
33011	Draco.....	.	51 9,43	0,426	26 49 2,9	0,774	362
33012	Serpens	7½	51 9,58	3,361	102 18 7,7	0,774	345
33013	Sagittarius....	8½	51 10,69	3,747	116 51 20,9	0,772	567
33014	Hercules	8	51 14,30	2,527	67 54 21,2	0,767	236
33015	Ophiuchus....	7	51 14,72	2,844	80 24 59,0	0,766	86
33016	Ophiuchus....	8	51 17,47	3,067	89 52 34,0	0,762	95
33017	Sagittarius....	8½	51 18,97	3,626	112 36 3,2	0,760	173
33018	Hercules	8½	51 22,10	2,351	61 43 55,1	0,755	299
33019	Hercules	9	51 22,22	2,296	59 55 40,9	0,755	168
33020	Hercules	8	51 23,72	2,296	59 55 40,9	0,753	168
33021	Draco.....	8	51 26,41	0,651	28 55 18,3	0,749	355
33022	Sagittarius....	7½	51 27,50	3,488	107 23 59,6	0,747	171
33023	Hercules	7½	51 32,59	+2,066	53 6 15,4	0,740	295
33024	Draco.....	9	51 33,46	-1,220	17 18 13,6	0,739	360
33025	Hercules	7½	51 33,63	+2,563	69 14 1,2	0,738	78
33026	Sagittarius....	8	51 36,83	3,674	114 20 56,9	0,734	566
33027	Ophiuchus....	5½	51 36,92	3,039	88 40 35,1	0,734	94
33028	Serpens	8	51 41,06	3,204	95 43 14,3	0,728	290
33029	Sagittarius....	8½	51 41,51	+3,673	114 17 59,4	0,727	566
33030	Draco.....	9½	51 41,71	-2,122	14 26 11,5	0,727	360
33031	Sagittarius....	7½	51 42,57	+3,493	107 35 50,8	0,725	171
33032	Draco.....	7½	51 43,77	1,089	34 0 13,2	0,724	360
33033	Ophiuchus....	9	51 43,90	2,907	83 4 53,1	0,724	88
33034	Hercules	9	51 45,61	2,354	61 50 50,1	0,721	299
33035	Hercules	7½	51 48,00	1,865	47 58 19,1	0,718	294
33036	Hercules	8½	51 48,22	2,451	65 10 7,9	0,717	170
33037	Hercules	7½	51 49,92	2,656	72 48 54,3	0,715	80
33038	Hercules	8	51 51,96	2,165	55 54 37,3	0,712	18
33039	Ophiuchus....	8½	51 51,97	2,937	84 19 36,8	0,712	90
33040	Hercules	8	17 51 53,71	+2,275	59 15 5,1	+0,709	473

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33041	Hercules	6	17 51 55.15	+2,709	74 52 56.3	+0,707	82
33042	Hercules	6	51 55.54	1,804	46 33 34.0	0,707	10
33043	Draco γ	2	51 57.33	1,388	38 28 52.9	0,704	357
33044	Draco γ	2	51 57.58	1,388	38 28 53.6	0,704	358
33045	Draco γ	2	51 57.68	1,388	38 28 53.6	0,703	357
33046	Draco.....	9	51 57.82	0,434	26 53 34.2	0,703	362
33047	Serpens	7	51 59.00	3,143	93 8 42.5	0,702	97
33048	Serpens	7	51 59.46	3,143	93 8 41.4	0,701	98
33049	Ophiuchus	7	51 59.96	2,733	75 51 42.0	0,700	84
33050	Serpens	9	51 0.49	3,315	100 24 42.1	0,699	296
33051	Sagittarius....	8½	52 0.74	3,670	114 10 36.0	0,699	566
33052	Sagittarius....	8	52 0.83	3,717	116 50 30.8	0,699	567
33053	Ophiuchus	8	52 1.47	+3,067	89 53 2.3	0,698	95
33054	Draco.....	9	52 3.93	-1,354	16 48 42.3	0,694	359
33055	Serpens	•	52 6.19	+3,195	95 20 35.6	0,691	98
33056	Serpens	7	52 6.29	3,195	95 20 37.0	0,691	290
33057	Draco.....	10	52 6.40	1,084	33 56 36.6	0,691	360
33058	Sagittarius....	8	52 7.90	3,623	112 29 27.0	0,689	173
33059	Ophiuchus	8	52 11.67	2,803	78 41 51.2	0,683	85
33060	Ophiuchus .. r	5½	52 11.73	3,261	98 10 1.6	0,683	100
33061	Sagittarius....	9	52 12.12	3,542	109 26 57.7	0,682	172
33062	Sagittarius....	9	52 13.76	3,551	109 48 0.4	0,680	172
33063	Sagittarius. γ¹	5	52 15.03	+3,828	119 34 24.7	0,678	568
33064	Ursa Minor ..	9	52 19.49	-3,956	10 46 14.6	0,672	361
33065	Ophiuchus	•	52 23.46	+3,263	98 14 20.7	0,666	100
33066	Serpens	8	52 26.99	3,101	91 19 24.8	0,661	97
33067	Hercules	7½	52 27.40	2,337	61 15 45.3	0,660	299
33068	Sagittarius....	7½	52 32.16	3,710	115 35 56.2	0,653	567
33069	Ophiuchus	8	52 34.96	2,989	86 33 59.9	0,649	91
33070	Hercules	9	52 36.39	2,323	60 48 41.4	0,647	168
33071	Hercules	8½	52 37.84	2,313	60 34 16.1	0,645	168
33072	Hercules	8	52 40.64	2,560	69 7 48.4	0,641	78
33073	Hercules	9	52 41.17	2,470	65 50 33.9	0,640	475
33074	Sagittarius....	7½	52 43.35	3,487	107 20 42.8	0,637	471
33075	Sagittarius....	8	52 43.49	3,487	107 20 42.8	0,637	171
33076	Ophiuchus	9½	52 44.83	3,080	90 26 43.2	0,635	95
33077	Ophiuchus	8	52 44.86	2,904	82 55 22.2	0,635	88
33078	Ophiuchus	9	52 45.86	2,898	82 41 5.8	0,633	88
33079	Hercules	8	52 46.13	2,479	66 8 40.3	0,633	475
33080	Hercules	8	17 52 47.96	+2,159	55 44 31.6	+0,630	18

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			h m s	s	° ' "	"	
33081	Hercules	8	17 52 48.36	+2,833	79 56 44.3	+0.630	86
33082	Hercules	8½	52 53.71	2,401	63 26 3.4	0.622	170
33083	Draco.....	9	52 53.95	0,002	23 32 46.4	0.621	361
33084	Sagittarius....	8	52 54.86	3,676	114 23 30.5	0.620	566
33085	Hercules	7½	52 58.14	2,311	60 25 18.8	0.615	168
33086	Sagittarius. γ ⁹	3½	52 58.38	3,854	120 24 30.3	0.615	568
33087	Hercules	5½	53 0.84	2,540	68 23 34.0	0.611	236
33088	Hercules	5½	53 1.24	2,540	68 23 34.0	0.611	236
33089	Sagittarius....	8½	53 1.43	3,479	107 1 31.0	0.610	471
33090	Hercules	8	53 1.64	2,508	67 12 40.4	0.610	475
33091	Hercules	8	53 2.37	2,014	51 42 0.5	0.609	295
33092	Hercules	9	53 4.73	2,343	61 27 32.3	0.606	299
33093	Ophiuchus....	9	53 8.99	2,714	75 6 41.8	0.600	82
33094	Hercules	5	53 9.38	1,714	44 35 23.0	0.599	353
33095	Serpens	7	53 14.27	3,327	100 54 7.8	0.592	348
33096	Serpens	8	53 14.52	3,327	100 54 10.7	0.591	296
33097	Hercules	7½	53 15.04	2,494	65 44 11.7	0.591	475
33098	Hercules	8	53 16.36	1,876	48 14 51.0	0.589	294
33099	Draco.....	9	53 17.24	0,305	25 48 11.0	0.587	362
33100	Hercules	5	53 17.47	2,194	56 46 13.2	0.587	12
33101	Ophiuchus....	9	53 23.05	3,011	87 28 33.7	0.579	94
33102	Sagittarius....	8½	53 23.26	3,601	111 39 47.1	0.579	173
33103	Hercules	8	53 24.54	2,447	65 1 20.1	0.577	170
33104	Ophiuchus....	9	53 25.70	2,840	80 15 39.5	0.575	86
33105	Hercules	8	53 27.10	2,432	64 29 49.5	0.573	170
33106	Draco.....	8½	53 34.14	1,182	35 18 41.6	0.563	354
33107	Hercules	6½	53 34.50	1,812	46 45 10.2	0.562	10
33108	Draco.....	8	53 35.73	1,344	37 45 31.3	0.561	357
33109*	Hercules	8	53 37.17	2,557	69 1 2.7	0.560	78
33110	Hercules	9	53 41.93	1,865	47 58 1.5	0.551	294
33111	Sagittarius....	9	53 42.98	3,549	109 45 6.4	0.549	172
33112	Hercules	7½	53 49.76	2,666	73 10 53.7	0.540	80
33113	Sagittarius....	8½	53 50.07	3,670	114 11 40.3	0.540	566
33114*	Hercules	5	53 50.17	2,561	69 9 32.9	0.540	78
33115	Hercules	7½	53 52.72	2,277	59 20 37.0	0.536	473
33116	Serpens	8	53 54.15	3,342	101 30 10.1	0.534	348
33117	Hercules	9	53 54.46	2,390	63 3 58.8	0.533	299
33118	Ophiuchus....	9	53 54.75	3,027	88 9 30.8	0.533	94
33119	Hercules	9	53 55.56	1,517	40 43 17.2	0.532	358
33120	Draco.....	10	17 53 56.97	+0,189	24 53 34.0	+0.529	361

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33121	Hercules	8	17 53 56.99	+2,711	74 59 21.4	+0,529	82
33122	Draco.....	9	53 57.89	0,200	24 58 33.7	0,528	362
33123	Hercules	9	54 3.46	1,860	47 52 2.4	0,520	294
33124	Ophiuchus....	8	54 4.15	2,827	79 41 42.3	0,519	86
33125	Sagittarius....	7½	54 5.47	3,548	109 42 29.8	0,517	172
33126	Sagittarius....	8	54 6.71	3,791	118 21 52.4	0,515	568
33127	Hercules	6½	54 7.69	2,504	67 4 5.2	0,514	475
33128	Hercules	4½	54 13.65	1,708	44 29 0.9	0,505	353
33129	Serpens	9	54 13.81	3,218	96 20 54.6	0,505	290
33130	Hercules	6½	54 16.60	2,191	56 40 46.1	0,501	293
33131	Hercules	5	54 17.28	2,191	56 40 50.6	0,499	18
33132	Hercules	8	54 19.03	2,446	64 59 49.6	0,497	170
33133	Ophiuchus....	7½	54 23.94	2,988	86 30 22.8	0,490	91
33134	Serpens	7½	54 24.69	3,330	101 1 6.8	0,489	296
33135	Serpens	8½	54 25.57	3,110	91 44 1.8	0,488	97
33136	Hercules	8	54 25.61	2,562	69 12 54.6	0,488	78
33137	Ophiuchus....	9	54 26.01	2,778	77 42 47.5	0,487	85
33138	Ophiuchus....	7	54 27.22	2,734	75 54 1.8	0,485	84
33139	Hercules	8	54 30.51	2,700	74 33 57.5	0,481	82
33140	Hercules	8	54 31.05	1,887	48 30 27.8	0,480	294
33141	Ophiuchus....	7	54 31.99	3,025	88 4 37.4	0,476	94
33142	Ophiuchus....	8	54 43.01	2,919	83 33 48.0	0,462	90
33143	Hercules ....	.	54 43.12	2,273	59 12 52.4	0,462	168
33144	Ophiuchus....	7½	54 43.84	2,981	86 12 49.2	0,461	91
33145	Hercules	8½	54 45.02	+1,797	46 24 59.2	0,460	10
33146	Draco.....	9	54 50.10	-1,176	17 28 43.0	0,452	360
33147	Sagittarius....	8	54 51.79	+3,597	111 30 30.1	0,450	173
33148	Ophiuchus....	9	54 55.83	2,779	77 44 39.3	0,444	85
33149	Hercules	8½	54 56.90	2,394	63 10 54.6	0,442	299
33150	Hercules	9	54 58.31	2,644	72 19 43.9	0,440	80
33151	Hercules	6½	54 58.34	2,280	59 26 37.0	0,440	473
33152	Hercules	7	54 58.59	2,280	59 26 38.5	0,440	168
33153	Hercules	9	55 1.01	1,802	46 31 40.1	0,436	10
33154	Hercules	9	55 1.54	2,480	66 11 11.0	0,436	475
33155	Hercules	7½	55 1.58	1,955	49 32 4.4	0,435	12
33156	Serpens	9	55 1.77	3,369	102 37 59.5	0,435	348
33157	Hercules	7½	55 4.57	2,436	64 37 51.8	0,431	170
33158	Ophiuchus....	7½	55 5.93	2,717	75 13 0.4	0,429	84
33159	Ophiuchus....	8	55 7.81	2,979	86 7 14.8	0,426	91
33160	Serpens	8	17 55 8.53	+3,116	91 57 53.7	+0,425	97

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33161	Serpens	9½	17 55 8,57	+3,374	102 49 43,3	+0,425	348
33162	Ophiuchus	•	55 9,00	3,260	98 6 56,9	0,425	100
33163	Hercules	7½	55 12,05	1,959	49 41 51,4	0,420	12
33164	Sagittarius	7½	55 12,25	3,595	111 26 59,4	0,420	173
33165	Ophiuchus	9	55 15,94	2,933	84 9 28,7	0,414	90
33166	Draco	8½	55 17,88	1,422	39 3 52,3	0,411	358
33167	Hercules	9	55 17,92	2,391	63 5 8,4	0,411	299
33168	Hercules	7	55 18,06	2,285	59 38 58,8	0,411	168
33169	Ophiuchus	5	55 20,87	3,010	87 26 24,6	0,407	94
33170	Ophiuchus	8½	55 21,60	2,934	84 11 38,7	0,406	90
33171	Sagittarius	8	55 21,77	3,588	111 12 27,6	0,406	172
33172	Sagittarius	8	55 22,10	3,588	111 12 24,2	0,405	173
33173	Sagittarius	5½	55 25,20	3,795	118 27 49,3	0,401	568
33174	Hercules	8½	55 25,51	1,850	47 38 26,7	0,400	294
33175	Serpens	8½	55 28,51	3,104	91 28 11,6	0,396	97
33176	Serpens	6	55 36,26	3,181	94 45 12,4	0,385	98
33177	Hercules	8½	55 36,57	2,436	64 37 55,6	0,384	170
33178	Sagittarius	9½	55 39,03	3,470	106 39 45,7	0,381	471
33179	Ophiuchus	9	55 41,01	2,777	77 39 23,7	0,378	85
33180	Sagittarius	8½	55 45,36	3,703	115 21 28,7	0,372	566
33181	Draco	9	55 47,39	0,304	25 47 52,8	0,368	362
33182	Ophiuchus	8½	55 49,29	3,078	90 21 37,5	0,366	95
33183	Ophiuchus	6½	55 51,19	3,080	90 27 0,7	0,363	95
33184	Hercules	7½	55 52,71	2,399	63 20 41,9	0,361	170
33185	Hercules	7	55 52,95	2,399	63 20 43,5	0,360	299
33186	Draco	8	55 56,19	1,304	37 8 20,6	0,356	354
33187	Draco	8	55 57,12	1,304	37 8 20,7	0,354	357
33188	Sagittarius	8½	55 58,86	3,777	117 52 23,5	0,352	568
33189	Ophiuchus	8½	56 1,99	2,834	80 10 43,1	0,347	86
33190	Hercules	9	56 8,86	2,209	57 13 43,2	0,337	293
33191	Draco	9½	56 9,49	0,246	25 20 31,4	0,336	361
33192	Ophiuchus	6	56 13,88	3,265	98 19 33,1	0,330	100
33193	Hercules	7	56 15,74	2,282	59 36 23,3	0,327	168
33194	Hercules	7½	56 18,48	2,695	74 21 19,2	0,323	82
33195	Sagittarius	9	56 18,74	3,775	117 47 42,0	0,323	568
33196	Draco	9	56 19,01	0,864	31 13 36,5	0,322	355
33197	Ophiuchus	8½	56 22,99	2,785	78 0 1,9	0,317	85
33198	Hercules	7	56 23,17	2,476	66 3 18,7	0,316	475
33199	Ophiuchus	8	56 25,49	2,785	78 0 1,9	0,313	85
33200	Serpens	8	17 56 25,49	+3,145	93 14 43,4	+0,313	98

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33201	Hercules	8½	h m s 17 56 27,15	+2,477	66° 6' 55,8	+0,311	475
33202	Hercules	7	56 27,69	1,811	46 43 46,4	0,310	10
33203	Sagittarius....	8	56 29,63	3,590	111 15 52,2	0,307	173
33204	Sagittarius....	8	56 30,11	3,590	111 15 54,7	0,306	172
33205	Sagittarius....	7	56 31,92	3,707	115 29 5,0	0,304	566
33206	Sagittarius....	6	56 32,35	3,707	115 29 11,8	0,303	567
33207	Serpens	8½	56 33,18	3,119	92 7 59,8	0,302	97
33208	Ophiuchus	8	56 34,55	2,749	76 31 14,6	0,300	84
33209	Draco.....	8½	56 38,34	0,346	26 8 53,4	0,294	362
33210	Sagittarius....	7	56 39,15	3,595	111 27 41,1	0,293	172
33211	Sagittarius....	7	56 39,23	3,595	111 27 47,9	0,293	173
33212	Hercules	7	56 39,76	2,444	64 56 12,9	0,292	299
33213	Hercules	8	56 40,63	2,507	67 10 20,3	0,291	236
33214	Sagittarius....	8½	56 41,42	3,773	117 44 48,0	0,290	568
33215	Sagittarius....	7	56 42,60	3,519	108 33 51,9	0,288	171
33216	Serpens	8	56 43,10	3,111	91 46 40,8	0,287	97
33217	Draco.....	10	56 43,23	1,014	33 2 28,0	0,287	360
33218	Hercules	9	56 46,66	2,014	51 43 1,4	0,282	295
33219	Hercules	8	56 48,29	2,624	71 33 32,8	0,280	80
33220	Sagittarius....	8½	56 50,43	3,725	116 6 45,8	0,276	567
33221	Sagittarius....	9	56 55,20	3,466	106 30 5,8	0,270	471
33222	Sagittarius....	7½	56 55,41	+3,464	106 25 48,4	0,269	471
33223	Draco.....	7½	56 56,24	-0,533	20 21 43,1	0,268	359
33224	Draco.....	8½	56 56,35	+0,332	26 2 10,1	0,268	362
33225	Draco.....	9	56 59,42	0,828	30 49 17,5	0,263	355
33226	Hercules	8	57 0,11	2,482	66 16 18,9	0,262	475
33227	Sagittarius....	8½	57 2,99	3,530	108 59 26,5	0,258	171
33228	Sagittarius....	8	57 4,22	3,665	113 59 56,3	0,256	566
33229	Ophiuchus	7½	57 4,52	2,920	83 35 47,7	0,256	90
33230	Draco.....	8½	57 8,36	0,310	25 51 3,7	0,250	362
33231	Ophiuchus	8	57 9,51	2,777	77 39 40,0	0,249	85
33232	Draco.....	8½	57 10,36	0,310	25 51 9,7	0,248	362
33233	Hercules	•	57 12,10	2,280	59 27 7,6	0,245	168
33234	Hercules	8	57 12,92	2,326	60 55 29,4	0,244	168
33235	Serpens	8	57 13,25	3,319	100 33 39,6	0,243	296
33236	Sagittarius....	8	57 13,74	3,554	109 53 26,0	0,243	172
33237	Hercules	8	57 14,62	2,372	62 26 30,2	0,241	299
33238	Hercules	8½	57 15,39	+2,215	57 25 34,4	0,240	473
33239	Draco.....	6½	57 17,09	-1,784	15 24 7,6	0,238	360
33240	Ophiuchus	7	17 57 17,32	+2,861	81 7 29,0	+0,237	86

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33241	Ophiuchus	7	17 57 17.70	+2,861	81 7 37.3	+0,237	118
33242	Ophiuchus	7½	57 17.84	3,012	87 31 53.7	0,237	94
33243	Hercules	•	57 19.95	+2,697	74 25 13.6	0,234	82
33244	Draco	7½	57 20.37	-1,784	15 24 12.6	0,233	359
33245	Serpens	8	57 20.79	+3,237	97 7 57.6	0,232	100
33246	Serpens	8	57 21.09	3,237	97 7 53.4	0,232	290
33247	Hercules	7	57 21.80	1,569	41 41 56.4	0,231	353
33248	Draco	9	57 28.46	0,797	30 28 9.7	0,221	355
33249	Hercules	7½	57 31.93	+1,968	50 31 18.7	0,216	12
33250	Draco	8	57 32.61	-2,750	12 56 23.7	0,215	361
33251	Hercules	8	57 32.83	+2,192	56 43 14.2	0,215	293
33252	Hercules	7½	57 33.15	+2,192	56 43 22.6	0,214	18
33253	Draco	7	57 33.75	-2,750	12 56 26.4	0,213	360
33254	Ophiuchus	•	57 34.49	+2,917	83 28 2.3	0,212	90
33255	Hercules	5½	57 36.59	2,524	67 47 19.7	0,209	236
33256	Hercules	8	57 38.10	2,338	61 19 17.9	0,207	299
33257	Ophiuchus	7	57 38.47	2,913	83 18 16.0	0,207	90
33258	Draco	8	57 38.94	1,380	38 21 27.8	0,206	357
33259	Hercules	8	57 38.97	2,338	61 19 14.6	0,205	168
33260	Draco	8	57 39.51	1,380	38 21 32.5	0,205	357
33261	Serpens	8	57 43.33	3,177	94 34 23.9	0,199	98
33262	Ophiuchus	4½	57 44.52	2,865	81 16 47.8	0,198	88
33263	Ophiuchus	4½	57 44.53	2,865	81 16 46.2	0,198	86
33264	Serpens	7½	57 49.81	3,348	101 45 25.6	0,190	348
33265	Draco	8	57 50.83	1,013	33 1 51.1	0,188	360
33266	Serpens	9	57 51.22	3,226	96 40 35.7	0,188	290
33267	Hercules	8½	57 51.59	2,430	64 25 52.3	0,187	170
33268	Serpens	8	57 51.65	3,226	96 40 36.1	0,187	474
33269	Hercules	8	57 51.68	2,475	66 2 23.6	0,187	475
33270	Hercules	8	57 52.11	2,427	64 19 32.2	0,187	170
33271	Ophiuchus	8½	57 52.37	2,984	86 19 6.7	0,186	92
33272	Sagittarius	8½	57 54.53	3,659	113 47 26.1	0,183	566
33273	Hercules	5	57 55.16	1,560	41 32 20.9	0,182	353
33274	Sagittarius	8	57 58.95	3,526	108 51 39.3	0,177	171
33275	Ophiuchus	8½	57 59.89	2,985	86 21 57.7	0,175	92
33276	Ophiuchus	7½	57 59.90	+2,985	86 23 30.7	0,175	92
33277	Ursa Minor . .	9	58 1.58	-4,779	9 40 8.2	0,173	364
33278	Serpens	8	58 2.39	+3,174	94 27 18.5	0,172	98
33279	Hercules	8	58 2.47	2,031	52 10 17.6	0,171	295
33280	Ophiuchus	7	17 58 3.15	+3,018	87 47 46.0	+0,171	94

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33281	Hercules	8	17 58 3.94	+1,862	47 54 31.1	+0,169	294
33282	Sagittarius....	8	58 8.39	3,724	116 3 18.0	0,163	567
33283	Ophiuchus	8	58 10.45	2,910	83 12 16.5	0,160	90
33284	Serpens .....	.	58 11.51	3,105	91 29 42.4	0,158	97
33285	Hercules	6	58 12.53	1,945	49 55 25.8	0,157	12
33286	Hercules	8	58 15.57	2,437	64 39 52.5	0,152	170
33287	Sagittarius....	8	58 15.59	3,436	105 18 6.9	0,152	471
33288	Sagittarius....	8½	58 19.39	3,653	113 35 3.8	0,147	566
33289	Hercules	9	58 21.11	2,184	56 29 3.7	0,144	293
33290	Hercules	6½	58 22.92	1,829	47 8 45.6	0,142	10
33291	Hercules	8	58 23.75	+2,227	57 46 43.7	0,141	473
33292	Draco.....	5½	58 24.08	-2,712	13 1 22.3	0,140	361
33293	Draco.....	5½	58 24.42	-2,712	13 1 21.9	0,139	360
33294	Ophiuchus	8	58 25.57	+3,053	89 18 2.7	0,138	95
33295	Ophiuchus	8	58 27.82	2,763	77 5 49.5	0,135	84
33296	Hercules	8	58 31.08	+1,664	43 33 55.3	0,130	240
33297	Draco.....	9½	58 31.23	-1,343	16 51 39.1	0,129	359
33298	Ophiuchus	9	58 32.08	+3,014	87 36 22.4	0,128	94
33299	Hercules	8	58 34.42	2,536	68 14 9.9	0,125	236
33300	Hercules	8	58 35.16	2,466	65 42 6.1	0,124	475
33301	Serpens	6½	58 35.20	3,348	101 44 37.4	0,124	348
33302	Ophiuchus	6	58 35.71	+2,760	76 56 39.2	0,123	84
33303	Draco.....	9	58 37.44	-0,027	23 21 36.2	0,120	361
33304	Draco.....	6½	58 39.36	-1,051	17 58 44.1	0,118	360
33305	Sagittarius....	7	58 41.45	+3,711	115 37 8.9	0,115	567
33306	Hercules	6½	58 43.24	1,825	47 3 7.3	0,112	10
33307	Serpens .....	.	58 46.22	3,276	98 47 22.4	0,108	100
33308	Hercules	6½	58 46.59	1,868	48 3 59.1	0,107	294
33309	Ophiuchus	7½	58 47.22	3,023	88 1 25.1	0,106	94
33310	Ophiuchus	7½	58 48.09	+3,018	87 46 25.6	0,105	94
33311	Draco.....	7½	58 48.38	-3,453	11 35 10.0	0,104	361
33312	Hercules ....	.	58 49.83	+2,592	70 20 55.8	0,102	78
33313	Serpens	8	58 54.56	3,202	95 40 12.3	0,096	290
33314	Serpens	7½	58 55.10	3,202	95 40 10.7	0,095	474
33315	Draco	8	58 58.98	0,381	26 26 51.7	0,089	362
33316	Sagittarius....	9	58 59.82	3,517	108 30 25.6	0,088	171
33317	Sagittarius....	7	59 15.98	3,809	118 55 40.4	0,064	568
33318	Ophiuchus	7½	59 17.67	3,061	89 37 41.0	0,062	95
33319	Sagittarius....	8	59 18.86	3,519	108 34 10.9	0,060	171
33320	Hercules	6½	17 59 18.86	+2,436	64 38 2.0	+0,060	170

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33321	Hercules	9	17 59 21.47	+2,688	74 3 20.1	+0,056	82
33322	Hercules	8	59 21.53	2,034	52 14 8.3	0,056	295
33323	Hercules	9	59 21.78	2,464	65 38 10.9	0,056	475
33324	Hercules	7½	59 22.72	2,688	74 5 14.2	0,054	82
33325	Hercules	8	59 23.21	2,242	58 14 17.2	0,054	473
33326	Hercules	8½	59 23.30	1,700	44 18 22.7	0,054	240
33327	Sagittarius....	7	59 23.75	3,553	109 51 55.1	0,053	172
33328	Hercules	9	59 25.03	2,688	74 3 24.1	0,051	82
33329	Hercules	8½	59 26.81	2,763	77 5 54.8	0,048	85
33330	Sagittarius....	5½	59 31.31	3,657	113 43 35.5	0,042	566
33331	Draco.....	7	59 34.72	0,877	31 22 48.3	0,037	355
33332	Ophiuchus....	7	59 35.80	2,759	76 55 35.6	0,035	85
33333	Ophiuchus....	6½	59 37.59	2,977	86 1 41.2	0,033	92
33334	Serpens	7½	59 38.52	3,331	101 2 47.5	0,031	348
33335	Serpens	7½	59 38.99	3,331	101 2 44.7	0,031	296
33336	Sagittarius....	8	59 40.01	3,451	105 55 10.3	0,029	471
33337	Hercules	7	59 40.56	1,578	41 52 28.7	0,028	354
33338	Hercules	8	59 44.26	1,891	48 36 45.3	0,023	294
33339	Hercules.... 0	4	59 44.49	2,336	61 15 15.6	0,023	168
33340	Hercules.... 0	4	59 44.88	2,336	61 15 17.2	0,022	299
33341	Hercules	6½	59 45.33	2,415	63 55 26.0	0,021	170
33342	Ophiuchus....	7½	59 48.38	+2,926	83 52 25.9	0,017	90
33343	Draco.....	7	59 56.08	-2,301	13 58 53.5	0,006	360
33344	Draco.....	8½	59 57.10	+1,016	33 4 24.4	0,004	360
33345	Ophiuchus....	7	59 58.04	2,925	83 49 1.7	0,003	90
33346	Sagittarius....	8½	17 59 59.18	3,789	118 15 58.9	+0,001	568
33347	Hercules	7½	18 0 2.52	2,140	55 11 32.8	-0,004	293
33348	Hercules	7	0 3.02	1,934	49 39 18.4	0,004	12
33349	Hercules	7	0 3.53	2,140	55 11 34.7	0,005	18
33350	Sagittarius....	7½	0 3.74	3,568	110 27 5.2	0,005	172
33351	Hercules	8	0 4.71	2,033	52 12 59.0	0,007	295
33352	Ophiuchus....	8	0 9.17	2,776	77 36 39.3	0,013	85
33353	Hercules	8	0 10.58	2,304	60 12 2.1	0,015	168
33354	Draco.....	9	0 10.67	1,366	38 7 29.0	0,016	357
33355	Ophiuchus....	7½	0 12.24	3,058	89 28 57.2	0,018	95
33356	Hercules	4	0 12.27	2,562	69 12 21.4	0,018	236
33357	Serpens	8	0 13.25	3,140	92 59 45.1	0,019	97
33358	Serpens	8	0 13.39	3,140	92 59 43.9	0,020	98
33359	Sagittarius....	9	0 14.34	3,443	105 36 38.6	0,021	471
33360	Hercules	5	18 0 15.12	+2,582	69 58 30.4	-0,022	78

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33361	Serpens	6½	18 0 20,07	+3,338	101 20 14,6	-0,029	348
33362	Sagittarius	8	21,38	3,446	105 42 31,2	0,031	471
33363	Hercules	5	0 23,45	1,513	40 40 10,9	0,034	386
33364	Hercules	•	23,50	1,513	40 40 11,6	0,034	387
33365	Hercules	•	23,94	1,513	40 40 10,6	0,035	387
33366	Hercules	8	24,10	1,513	40 40 8,3	0,035	358
33367	Sagittarius	8	0 25,91	3,542	109 27 49,6	0,038	172
33368	Sagittarius	9	0 27,82	3,516	108 27 37,8	0,041	171
33369	Draco	9½	0 28,97	0,081	24 6 14,5	0,042	362
33370	Hercules	8	31,48	2,308	60 19 42,1	0,046	168
33371	Ophiuchus	7½	0 31,88	2,736	75 59 43,7	0,047	84
33372	Sagittarius	8	0 32,01	3,438	105 24 19,5	0,047	471
33373	Hercules	8½	0 34,99	1,942	49 51 30,2	0,051	12
33374	Hercules	7½	38,22	2,267	59 1 22,0	0,056	473
33375	Ophiuchus	9	0 39,00	2,887	82 12 44,9	0,057	88
33376	Ophiuchus	6	0 40,93	2,993	86 42 3,0	0,060	92
33377	Hercules	7½	42,22	2,471	65 52 11,1	0,062	475
33378	Hercules	6½	42,64	2,415	63 55 5,5	0,062	170
33379	Hercules	8	0 44,20	2,459	65 26 42,6	0,064	475
33380	Ophiuchus	9	45,00	2,779	77 44 59,3	0,066	85
33381	Hercules	8	0 46,97	1,804	46 33 53,6	0,069	10
33382	Sagittarius	9	0 47,42	3,758	117 14 52,0	0,069	568
33383	Serpens	6	0 47,75	3,192	95 13 58,4	0,070	290
33384	Serpens	7	0 47,80	3,192	95 14 3,4	0,070	474
33385	Sagittarius	9	0 50,32	3,515	108 25 44,5	0,073	171
33386	Sagittarius	7½	0 53,69	3,642	113 9 2,2	0,078	566
33387	Sagittarius	8	53,79	3,641	113 9 0,6	0,078	173
33388	Hercules	8½	0 54,38	1,885	48 27 28,8	0,079	294
33389	Draco	7	0 57,29	1,362	38 4 19,3	0,084	357
33390	Ophiuchus	7	0 58,65	2,891	82 23 28,0	0,086	88
33391	Serpens	7½	0 58,97	3,086	90 41 6,6	0,086	95
33392	Hercules	8½	1 0,72	+2,471	65 51 19,0	0,089	475
33393	Draco	7½	1 1,44	-1,985	14 49 13,7	0,090	360
33394	Sagittarius	8	1 2,34	+3,698	115 10 55,9	0,091	566
33395	Hercules	8½	1 3,23	2,252	58 33 48,3	0,092	473
33396	Hercules	7½	1 3,83	+1,672	43 44 41,5	0,093	240
33397	Draco	7	1 4,97	-1,985	14 49 10,7	0,095	359
33398	Draco	9	1 5,26	+1,358	38 23,2	0,095	357
33399	Draco	9	1 5,39	0,742	29 52 48,8	0,095	355
33400	Hercules	8	18 1 5,54	+1,507	40 33 10,0	-0,096	299

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33401	Hercules	8	18	1	5,62	+1,507	40	33	4,6	-0,096	358
33402	Hercules		1	5,73	2,084	53	36	34,2	0,096	295
33403	Serpens	8		1	5,90	3,276	98	45	44,1	0,096	100
33404	Ophiuchus	9		1	6,12	2,852	80	44	54,5	0,096	88
33405	Ophiuchus	8½		1	7,43	3,024	88	2	39,0	0,098	94
33406	Draco.....	8½		1	7,48	0,075	24	3	35,8	0,098	361
33407	Draco.....	8½		1	7,49	1,504	40	29	49,6	0,098	358
33408	Draco.....	8½		1	7,52	1,504	40	29	47,9	0,099	299
33409	Draco.....	9		1	9,65	0,377	26	24	48,8	0,102	362
33410	Hercules	9		1	11,71	2,194	56	47	3,2	0,105	293
33411	Hercules	8½		1	11,93	2,194	56	47	5,5	0,105	18
33412	Hercules	6½		1	12,85	2,675	73	33	0,4	0,106	82
33413	Serpens	7½		1	13,68	3,134	92	45	20,0	0,108	97
33414	Serpens	7½		1	14,02	3,134	92	45	10,9	0,108	98
33415	Serpens	7½		1	14,20	3,202	95	39	21,7	0,108	290
33416	Hercules	8		1	14,82	2,548	68	40	33,5	0,109	236
33417	Serpens	7½		1	15,92	3,202	95	39	17,7	0,111	474
33418	Ophiuchus	8		1	19,97	+2,938	84	22	10,0	0,117	90
33419	Draco.....	9½		1	21,38	-3,404	11	40	19,9	0,119	361
33420	Hercules	8½		1	23,47	+1,648	43	14	40,0	0,122	240
33421	Ophiuchus	9		1	26,17	3,020	87	51	41,4	0,126	94
33422	Hercules	5		1	27,28	1,807	46	38	26,2	0,127	10
33423	Hercules	8		1	29,25	1,952	50	6	5,9	0,130	12
33424	Hercules	6½		1	31,58	2,284	59	33	47,8	0,134	168
33425	Ophiuchus	7½		1	34,15	2,877	81	48	18,6	0,137	88
33426	Hercules	7½		1	34,84	1,882	48	23	3,5	0,138	294
33427	Sagittarius....	7½		1	37,28	3,767	117	32	22,6	0,142	568
33428	Sagittarius....	7½		1	37,30	3,767	117	32	19,5	0,142	567
33429	Hercules	7½		1	39,04	2,300	60	4	41,1	0,145	161
33430	Hercules	8		1	39,72	2,470	65	51	33,0	0,146	475
33431	Hercules	7½		1	42,22	1,912	49	6	27,3	0,149	294
33432	Ophiuchus	8½		1	47,81	3,032	88	22	27,4	0,157	94
33433	Sagittarius.. μ	4		1	48,45	3,586	111	5	43,4	0,158	172
33434*	Sagittarius.. μ	4½		1	48,50	3,586	111	5	45,7	0,159	173
33435	Hercules	7½		1	50,15	2,628	71	44	34,5	0,161	80
33436	Ophiuchus	8		1	54,64	2,942	84	33	27,1	0,167	90
33437	Ophiuchus	9		1	54,76	2,849	80	38	32,1	0,167	86
33438	Hercules	6½		1	58,53	2,623	71	31	37,1	0,173	80
33439	Hercules	7		2	0,77	2,008	51	32	44,5	0,176	295
33440	Hercules	9	18	2	2,02	+2,299	60	3	9,1	-0,178	168

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33441	Ophiuchus	8	18	2	3,96	+2,798	78° 30' 5,8	-0,181	85
33442	Draco	7		2	6,60	1,430	39 12 14,8	0,185	357
33443	Sagittarius	7½		2	6,64	3,444	105 38 3,6	0,185	471
33444	Draco	6½		2	6,83	+1,493	40 18 43,6	0,185	358
33445	Draco	8		2	7,04	-0,339	21 25 18,9	0,185	359
33446	Draco	6½		2	7,46	+1,494	40 18 54,4	0,186	299
33447	Draco	8		2	9,12	-4,041	10 39 2,8	0,188	361
33448	Hercules	9		2	10,05	+2,292	59 48 55,8	0,190	168
33449*	Sagittarius	6½		2	15,11	3,603	111 45 9,6	0,197	173
33450	Ophiuchus	8		2	19,84	2,777	77 38 36,2	0,204	85
33451	Sagittarius	9		2	20,29	+3,513	108 20 43,3	0,205	171
33452	Draco	9		2	20,66	-4,042	10 38 57,8	0,205	364
33453	Ophiuchus	8½		2	23,02	+2,773	77 28 58,0	0,209	85
33454	Hercules	7		2	26,01	1,774	45 54 56,0	0,213	10
33455	Hercules	8		2	26,74	2,272	59 11 14,9	0,214	473
33456	Hercules	8		2	27,36	2,586	70 7 44,5	0,215	78
33457	Hercules	8		2	29,18	1,840	47 23 24,2	0,218	294
33458	Hercules	8		2	31,81	2,399	63 21 51,6	0,221	170
33459	Sagittarius	8½		2	33,20	3,800	118 39 10,3	0,224	568
33460	Serpens	9		2	36,46	3,088	90 47 45,1	0,228	96
33461	Ophiuchus	6½		2	39,18	3,005	87 13 20,0	0,232	92
33462	Hercules	8		2	41,89	2,160	55 46 48,6	0,236	18
33463	Sagittarius	9		2	46,61	3,611	112 2 51,9	0,243	173
33464	Draco	9		2	47,10	0,222	25 9 2,4	0,244	362
33465	Hercules	7½		2	47,65	+2,628	71 42 38,9	0,245	80
33466	Draco	8		2	47,99	-0,956	18 22 28,0	0,245	360
33467	Serpens	7½		2	53,02	+3,111	91 45 31,6	0,252	97
33468	Serpens	7		2	53,47	3,111	91 45 29,6	0,253	98
33469	Hercules	6½		2	53,47	1,799	46 28 0,3	0,253	10
33470	Sagittarius	8		2	55,31	3,515	108 25 30,6	0,256	171
33471	Draco	9		3	1,21	1,426	39 8 15,8	0,264	357
33472	Hercules	5½		3	1,51	2,082	53 33 52,9	0,265	15
33473	Ophiuchus	8		3	1,74	2,847	80 31 58,1	0,265	86
33474	Ophiuchus	7½		3	1,91	2,934	84 12 50,9	0,266	90
33475	Ophiuchus	8		3	2,03	2,742	76 14 44,8	0,266	84
33476	Ophiuchus	6½		3	3,12	3,001	87 3 21,5	0,267	92
33477	Sagittarius	8		3	5,22	3,581	110 54 49,5	0,270	172
33478	Hercules	7		3	13,37	2,150	55 28 30,1	0,282	18
33479	Draco	8		3	13,45	1,358	37 59 58,3	0,282	357
33480	Hercules	8	18	3	14,01	+2,169	56 3 20,6	-0,283	18

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33481	Sagittarius....	6	18 3 17.48	+3,577	110 46 18.4	-0,288	172
33482	Sagittarius....	7	3 19.12	3,568	110 25 55.7	0,291	172
33483	Hercules	8½	3 20.17	2,514	67 25 41.1	0,292	236
33484	Lyra	8	3 20.91	1,954	50 8 57.9	0,293	12
33485	Draco.....	9	3 22.98	+0,355	26 13 22.6	0,296	362
33486	Draco.....	9½	3 23.87	-2,323	13 55 36.5	0,298	360
33487	Hercules	7	3 24.08	+1,631	42 54 32.5	0,298	354
33488	Hercules	8	3 25.43	2,259	58 46 59.4	0,300	473
33489	Hercules	8	3 28.16	2,597	70 56 35.1	0,304	78
33490	Sagittarius....	7	3 29.64	3,439	105 25 44.5	0,306	471
33491	Sagittarius....	7	3 29.67	3,439	105 25 47.2	0,306	297
33492	Sagittarius....	8	3 30.57	3,336	101 15 34.9	0,307	348
33493	Serpens	7½	3 32.76	3,055	89 21 23.3	0,310	96
33494	Ophiuchus....	7½	3 36.46	2,800	78 35 7.1	0,316	85
33495	Hercules	8	3 44.23	2,636	72 0 47.8	0,327	80
33496	Hercules	9	3 44.90	2,684	73 54 34.6	0,328	82
33497	Ophiuchus....	8	3 46.30	2,857	80 56 36.4	0,330	86
33498	Ophiuchus....	7	3 48.83	3,015	87 38 50.9	0,334	94
33499	Serpens	8	3 49.06	3,201	95 37 6.4	0,334	474
33500	Serpens	8½	3 52.86	3,059	89 33 52.7	0,340	96
33501	Serpens	8½	3 58.02	3,367	102 32 39.9	0,347	348
33502	Serpens	8	3 59.22	3,368	102 34 54.1	0,349	348
33503	Lyra	6½	3 59.54	1,753	45 26 21.6	0,349	10
33504	Ophiuchus....	7½	4 4.53	2,815	79 12 59.3	0,357	86
33505	Ophiuchus....	.	4 6.68	2,789	78 9 20.1	0,360	85
33506	Serpens	7½	4 9.68	3,131	92 38 54.2	0,364	97
33507	Serpens	8	4 9.77	3,131	92 38 51.1	0,364	98
33508	Sagittarius....	8	4 10.29	3,452	105 56 29.3	0,365	471
33509	Lyra	8	4 11.04	1,745	45 16 16.3	0,366	10
33510	Hercules	8	4 11.38	2,370	62 23 41.1	0,367	238
33511	Ophiuchus....	8	4 14.11	2,972	85 48 49.6	0,371	92
33512	Lyra	7	4 15.45	1,990	51 4 30.2	0,372	12
33513	Sagittarius....	8	4 16.35	3,519	108 35 29.1	0,374	171
33514	Hercules	7	4 19.02	2,680	73 45 59.0	0,374	82
33515	Serpens	7½	4 19.46	3,067	89 53 0.1	0,378	96
33516	Sagittarius....	8	4 21.29	3,664	113 56 58.3	0,381	566
33517	Serpens	9	4 21.59	3,132	92 41 16.1	0,382	98
33518	Serpens	8	4 21.66	3,129	92 33 15.9	0,382	97
33519	Hercules .. A	5	4 22.61	2,255	58 38 4.0	0,383	473
33520	Ophiuchus....	7½	18 4 24.86	+2,746	76 24 1.2	-0,386	84

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33521	Hercules	6	18 4 26,56	+2,188	56 35 35,2	-0,389	293
33522	Hercules	7½	4 29,79	2,508	67 12 54,8	0,394	101
33523	Hercules	7½	4 29,82	2,508	67 12 50,5	0,394	236
33524	Ophiuchus	8	4 30,35	2,848	80 36 2,4	0,394	86
33525	Sagittarius	8	4 30,50	3,531	109 2 16,9	0,395	171
33526	Hercules	9	4 31,45	2,575	69 42 58,8	0,396	78
33527	Draco	9½	4 31,76	0,328	25 59 33,5	0,396	362
33528	Lyra	7	4 34,90	1,984	50 56 10,8	0,401	12
33529	Ophiuchus	9	4 36,43	2,904	82 55 58,2	0,403	88
33530	Sagittarius	8	4 36,43	3,427	104 58 28,8	0,403	297
33531	Ophiuchus	8	4 38,58	2,932	84 8 14,9	0,406	90
33532	Sagittarius	7½	4 40,44	3,572	110 35 41,4	0,409	172
33533	Hercules	8	4 40,83	2,309	60 21 55,2	0,410	168
33534	Hercules ....	.	4 42,52	2,302	60 7 24,9	0,412	168
33535	Draco	7½	4 42,99	1,455	39 37 58,0	0,413	299
33536	Sagittarius	7	4 43,40	3,791	118 20 0,6	0,413	568
33537	Sagittarius	7	4 43,52	3,801	118 42 16,4	0,414	568
33538	Ophiuchus	9	4 44,85	2,750	76 34 30,4	0,416	84
33539	Hercules	8	4 46,07	2,434	64 35 16,5	0,417	170
33540	Sagittarius	6½	4 46,39	3,522	108 42 26,7	0,418	171
33541	Draco	9	4 46,59	0,850	31 3 42,8	0,418	355
33542	Hercules ....	.	4 47,05	2,295	59 54 48,6	0,419	168
33543	Hercules	6	4 47,79	2,534	68 9 53,6	0,420	236
33544	Draco	8	4 48,16	1,455	39 37 54,5	0,420	358
33545	Draco .....	.	4 48,17	1,455	39 37 59,1	0,421	387
33546	Draco .....	.	4 48,21	1,455	39 38 2,4	0,421	386
33547	Draco .....	.	4 48,98	1,455	39 38 0,0	0,422	387
33548	Sagittarius	8½	4 51,13	3,420	104 41 50,5	0,425	297
33549	Hercules	7	4 51,49	2,193	56 44 57,3	0,425	18
33550	Hercules	7	4 51,57	2,193	56 44 59,0	0,425	293
33551	Draco	8	4 52,20	0,120	24 23 4,9	0,426	362
33552	Serpens	7½	4 53,72	3,199	95 31 24,0	0,428	474
33553	Draco	9	4 54,60	0,196	24 57 1,5	0,430	362
33554	Ophiuchus	8	4 54,89	2,985	86 22 20,3	0,430	92
33555	Hercules	8	4 57,59	2,429	64 24 17,1	0,434	170
33556	Lyra	7	4 58,97	1,753	45 26 18,6	0,436	240
33557	Hercules	8	4 59,55	2,677	73 37 38,5	0,437	82
33558	Lyra	8½	5 0,05	2,031	52 9 3,5	0,438	295
33559	Sagittarius	9	5 6,21	3,616	112 13 23,7	0,447	173
33560	Hercules	8½	18 5 8,42	+2,532	61 47 29,1	-0,450	238

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33561	Draco.....	9	18	5	8.44	+0.846	31 0 38.6	-0.450	355
33562	Lyra	9		5	10.43	1.745	45 16 11.4	0.453	240
33563	Hercules	8½		5	11.09	2.353	61 48 14.1	0.454	238
33564	Sagittarius....	6½		5	12.49	3.531	109 1 16.6	0.456	171
33565	Serpens	8		5	14.01	3.302	99 51 39.1	0.458	296
33566	Sagittarius....	8		5	15.90	3.467	106 34 12.8	0.461	471
33567	Serpens	8½		5	17.94	3.066	89 50 10.5	0.464	96
33568	Sagittarius....	8½		5	18.72	3.768	117 24 37.4	0.465	568
33569	Sagittarius....	8½		5	19.20	3.464	106 27 0.1	0.466	471
33570	Hercules	8½		5	21.99	2.308	60 19 24.9	0.470	168
33571	Hercules	7½		5	22.94	2.577	69 46 12.4	0.471	78
33572	Hercules	7½		5	23.08	+2.431	64 27 59.0	0.471	170
33573	Draco.....	7½		5	23.19	-0.068	23 4 53.1	0.471	362
33574	Draco.....	8		5	23.70	-0.068	23 4 45.9	0.472	356
33575	Ophiuchus....	8½		5	26.45	+2.989	86 32 47.3	0.476	92
33576	Hercules	8		5	27.30	2.115	54 28 39.3	0.477	15
33577	Lyra	9		5	31.67	1.907	48 59 24.9	0.484	294
33578	Sagittarius....	5½		5	31.85	3.754	117 5 57.8	0.484	568
33579	Draco.....	7		5	32.01	0.935	32 3 18.7	0.484	355
33580	Sagittarius....	5		5	32.37	3.754	117 5 57.5	0.485	567
33581	Hercules	7½		5	36.19	+2.402	63 27 52.8	0.491	170
33582	Draco.....	9½		5	36.54	-2.148	14 22 15.4	0.491	360
33583	Lyra	8½		5	37.46	+2.039	52 22 57.6	0.492	295
33584	Ophiuchus....	8		5	37.68	2.907	83 2 34.8	0.493	88
33585	Sagittarius....	8		5	38.02	3.646	113 19 53.4	0.493	566
33586	Draco.....	9		5	40.23	1.367	38 8 13.4	0.496	357
33587	Draco.....	8		5	40.40	0.305	25 48 30.2	0.497	362
33588	Sagittarius....	7		5	44.83	3.517	108 31 8.3	0.503	171
33589	Sagittarius....	9		5	48.31	3.445	105 40 27.7	0.508	471
33590	Sagittarius....	8		5	49.78	3.619	112 20 48.5	0.510	173
33591	Sagittarius....	.		5	51.31	3.621	112 23 59.9	0.513	173
33592	Lyra	8½		5	55.23	+2.004	51 26 41.5	0.518	295
33593	Draco.....	8		5	58.37	-3.608	11 19 15.3	0.523	361
33594	Sagittarius....	8		6	0.77	+3.425	104 54 17.2	0.526	297
33595	Hercules	8		6	1.03	2.609	71 0 5.7	0.527	78
33596	Ophiuchus....	7		6	2.10	3.015	87 40 27.7	0.528	94
33597	Ophiuchus....	8		6	2.24	2.806	78 50 55.3	0.528	85
33598	Sagittarius....	7½		■	5.94	3.526	108 51 20.1	0.534	171
33599	Serpens	9		6	7.68	3.361	102 17 21.6	0.536	348
33600	Hercules	8	18	6	8.21	+2.681	73 47 18.1	-0.537	82

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33601	Sagittarius....	7	18 6 9,80	+3,440	105 29 14,6	-0,539	471
33602	Lyra	8	6 10,27	2,128	54 50 56,1	0,540	15
33603	Hercules	8½	6 12,14	2,624	71 34 29,9	0,543	80
33604	Sagittarius....	8	6 13,41	3,524	108 45 39,5	0,545	171
33605	Serpens	7	6 13,74	3,373	102 46 45,6	0,545	348
33606	Hercules	8½	6 13,97	2,472	65 54 36,5	0,546	101
33607	Hercules	7½	6 16,20	2,354	61 49 49,7	0,549	238
33608	Ophiuchus....	8	6 18,94	2,809	78 56 53,2	0,553	85
33609	Lyra	8½	6 19,09	1,894	48 39 38,4	0,553	294
33610	Hercules	6	6 20,05	1,572	41 45 3,7	0,554	354
33611	Serpens	8	6 20,78	3,240	97 16 24,3	0,555	474
33612	Lyra	6½	6 21,24	1,903	48 53 42,6	0,556	294
33613	Lyra	7	6 21,31	1,903	48 53 50,0	0,556	237
33614	Ophiuchus....	8	6 21,82	2,762	77 1 32,1	0,557	84
33615	Serpens	6½	6 23,94	3,301	99 48 43,6	0,560	296
33616	Lyra	5	6 24,09	1,998	51 16 24,0	0,560	12
33617	Serpens	7½	6 24,17	3,141	93 2 51,0	0,560	98
33618	Lyra	6	6 24,68	1,998	51 16 26,2	0,561	295
33619	Draco.....	8	6 24,78	1,377	38 18 10,0	0,561	357
33620	Draco.....	5	6 25,06	1,214	35 46 6,8	0,562	354
33621	Draco.....	9½	6 26,29	0,345	26 7 50,8	0,563	362
33622	Serpens	8	6 33,48	3,242	97 20 29,6	0,574	474
33623	Hercules	8	6 34,03	2,251	58 30 45,7	0,575	473
33624	Hercules	8	6 35,16	1,569	41 39 8,3	0,576	354
33625	Hercules	9	6 35,62	1,651	43 18 18,1	0,577	240
33626	Ophiuchus....	9	6 38,36	2,849	80 36 34,3	0,581	86
33627	Sagittarius....	8	6 38,84	3,518	108 32 2,9	0,582	171
33628	Ophiuchus....	8	6 39,16	2,883	82 2 9,4	0,582	88
33629	Serpens	6½	6 42,75	3,377	102 55 46,2	0,587	348
33630	Draco.....	9	6 43,21	0,088	24 8 47,1	0,588	362
33631	Hercules	8	6 45,81	2,591	70 16 54,4	0,592	78
33632	Lyra	7½	6 47,77	1,890	48 33 53,1	0,595	294
33633	Lyra	8	6 47,95	1,890	48 33 59,5	0,595	237
33634	Serpens	7	6 53,18	3,361	102 18 11,6	0,603	348
33635	Ophiuchus....	9	6 54,78	2,854	80 49 59,6	0,605	86
33636	Serpens	7½	6 55,36	3,047	89 3 1,2	0,606	94
33637	Lyra	•	6 57,41	1,815	46 48 57,0	0,609	10
33638	Hercules	7	6 58,00	1,581	41 55 33,5	0,610	354
33639	Ophiuchus....	7½	6 58,07	2,874	81 41 36,7	0,610	88
33640	Hercules	7	18 6 58,42	+2,324	60 49 54,7	-0,610	168

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33641	Ophiuchus	7½	18 6 58.43	+2,816	79 14 24.4	-0,610	85
33642	Sagittarius	7½	6 58.89	3,522	108 40 50.7	0,611	171
33643	Sagittarius	8½	6 58.93	3,733	116 23 14.3	0,611	567
33644	Hercules	9	6 59.49	2,177	56 15 48.9	0,612	293
33645	Ophiuchus	9	6 59.83	2,761	76 59 24.7	0,612	84
33646	Hercules	9	7 4.01	2,253	58 34 15.6	0,618	473
33647	Hercules	9	7 8.55	2,249	58 28 2.5	0,625	473
33648	Ophiuchus	8	7 8.83	2,758	76 52 38.5	0,625	84
33649	Hercules	9	7 11.95	2,318	60 38 24.5	0,630	168
33650	Sagittarius	9	7 12.68	3,462	106 22 19.6	0,631	471
33651	Sagittarius	9	7 12.71	3,632	112 48 3.8	0,631	173
33652	Hercules	9	7 12.71	2,175	56 12 41.7	0,631	293
33653	Serpens	8½	7 15.33	3,266	98 20 39.8	0,635	100
33654	Ophiuchus	9	7 15.42	2,855	80 53 32.5	0,635	86
33655	Serpens	9	7 15.96	3,399	103 51 23.1	0,636	298
33656	Ophiuchus	8½	7 16.09	2,933	84 8 43.5	0,636	90
33657	Serpens	8½	7 16.46	3,400	103 51 50.1	0,637	298
33658	Serpens	7½	7 21.20	3,105	91 31 25.8	0,644	98
33659	Ophiuchus	9	7 21.91	3,002	87 6 16.9	0,645	94
33660	Hercules	9	7 21.91	2,327	60 55 54.7	0,645	168
33661	Hercules . . . .	.	7 24.32	1,529	40 56 53.2	0,648	387
33662	Hercules . . . .	.	7 24.64	1,529	40 56 54.5	0,649	386
33663	Hercules	8½	7 24.68	1,529	40 56 52.4	0,649	358
33664	Hercules . . . .	.	7 25.11	1,529	40 56 53.2	0,649	387
33665	Draco	8	7 25.94	1,342	37 43 58.4	0,650	357
33666	Lyra	7	7 26.42	1,811	46 42 54.6	0,651	10
33667	Ophiuchus	7	7 26.76	2,934	84 13 10.6	0,652	90
33668	Sagittarius	8	7 28.82	3,471	106 43 13.5	0,655	471
33669	Hercules	9	7 29.85	2,476	66 3 40.0	0,656	101
33670	Sagittarius	9	7 31.67	3,462	106 21 53.4	0,658	471
33671	Serpens	8	7 32.41	3,242	97 20 36.4	0,660	100
33672	Lyra	8	7 35.38	1,831	47 10 18.0	0,664	10
33673	Serpens	8	7 36.20	3,393	103 36 23.9	0,666	298
33674	Hercules	7	7 36.82	2,557	69 1 1.6	0,666	236
33675	Serpens	7	7 37.00	3,366	102 30 55.3	0,667	348
33676	Serpens	8	7 37.09	3,119	92 5 41.1	0,667	98
33677	Serpens	9	7 38.01	3,210	96 0 20.4	0,668	474
33678	Sagittarius	8½	7 38.13	3,404	104 3 27.0	0,668	298
33679	Hercules	8½	7 39.59	2,425	64 15 42.8	0,670	170
33680	Lyra	9	18 7 40.91	+1,708	44 27 23.7	-0,672	240

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33681	Ophiuchus	7	18 7 41.85	+2,785	77 59 26.0	-0,674	85
33682	Sagittarius	8½	7 43.77	3,551	109 47 46.3	0,676	172
33683	Serpens	•	7 44.86	3,102	91 23 30.2	0,676	98
33684	Sagittarius	8½	7 44.99	3,648	113 22 57.1	0,678	566
33685	Lyra	8½	7 45.87	1,831	47 10 27.7	0,679	237
33686	Serpens	8	7 47.43	3,240	97 16 29.1	0,682	100
33687	Serpens	9½	7 49.54	3,214	96 10 10.9	0,685	474
33688	Draco	8	7 50.50	1,317	37 19 49.9	0,686	299
33689	Lyra	8	7 52.73	1,704	44 23 10.7	0,690	240
33690	Ophiuchus	9	7 59.46	2,990	86 34 57.2	0,699	92
33691	Lyra	7½	8 1.90	1,813	46 45 53.3	0,703	10
33692	Lyra	9	8 4.08	2,049	52 38 32.1	0,706	295
33693	Hercules	8½	8 6.99	2,569	69 27 21.5	0,710	78
33694	Sagittarius	7½	8 10.21	3,499	107 49 2.7	0,715	171
33695	Hercules	9	8 10.48	2,312	60 26 8.9	0,715	168
33696	Sagittarius . . δ	3	8 11.33	3,838	119 53 46.1	0,717	568
33697	Hercules	7½	8 12.21	+2,493	66 39 42.4	0,718	101
33698	Draco	9	8 14.24	-0,135	22 37 49.7	0,721	356
33699	Lyra	9	8 19.38	+1,961	50 19 19.8	0,728	12
33700	Ophiuchus	8	8 25.59	3,002	87 6 13.9	0,738	92
33701	Serpens	8½	8 28.51	3,368	102 34 47.5	0,742	348
33702	Ophiuchus	8½	8 28.76	3,054	89 18 40.4	0,742	96
33703	Serpens	8	8 31.00	3,329	100 59 59.6	0,745	296
33704	Ophiuchus	•	8 33.48	2,790	78 11 3.9	0,749	85
33705	Serpens	9	8 35.50	3,368	102 34 7.5	0,752	348
33706	Sagittarius	9	8 37.21	3,554	109 54 39.7	0,754	172
33707	Hercules	8½	8 37.79	2,534	68 9 14.2	0,755	236
33708	Sagittarius	6	8 37.86	3,450	105 53 54.8	0,755	471
33709	Sagittarius	8	8 39.86	3,564	110 17 12.6	0,758	172
33710	Serpens	8½	8 41.41	3,304	99 57 28.7	0,761	296
33711	Draco	6½	8 43.97	0,721	29 38 18.9	0,764	355
33712	Serpens	7½	8 44.01	3,338	101 21 18.8	0,764	296
33713	Lyra	8	8 46.78	2,121	54 27 51.2	0,768	15
33714	Lyra	8½	8 46.88	2,137	55 5 55.0	0,769	293
33715	Sagittarius	7	8 47.32	3,726	116 9 25.2	0,769	567
33716	Ophiuchus	9	8 52.32	2,869	81 26 25.1	0,776	88
33717	Hercules	9	8 52.80	2,227	57 46 10.5	0,777	473
33718	Ophiuchus	8½	8 53.59	2,822	79 29 34.2	0,778	86
33719	Ophiuchus	6	8 53.77	2,744	76 17 12.7	0,779	84
33720	Hercules	•	18 8 55.47	+2,397	63 17 11.1	-0,781	170

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33721	Ophiuchus	8	18 8 55,52	+2,692	74 13 27,3	-0,781	82
33722	Draco	9½	8 57,64	0,167	24 43 0,6	0,784	362
33723	Hercules	9	8 58,93	2,533	68 7 7,0	0,786	236
33724	Hercules	8	9 3,95	2,573	69 37 16,1	0,793	78
33725	Hercules	8½	9 6,17	2,638	72 5 11,1	0,797	80
33726	Serpens	8	9 9,65	3,187	95 2 3,7	0,802	235
33727	Ophiuchus	9	9 10,08	2,820	79 25 33,0	0,802	86
33728	Ophiuchus	6½	9 11,25	2,763	77 5 4,7	0,804	84
33729	Sagittarius	8	9 11,45	3,549	109 43 44,1	0,804	172
33730	Draco	8	9 12,11	0,702	19 26 26,3	0,805	356
33731	Serpens	6½	9 12,67	3,259	98 3 3,9	0,806	100
33732	Sagittarius	6	9 12,82	3,692	114 59 20,5	0,806	566
33733	Serpens	8	9 15,23	3,052	89 13 40,1	0,810	96
33734	Lyra	8½	9 16,03	2,143	55 14 58,1	0,811	293
33735	Lyra	8	9 16,24	2,143	55 14 49,6	0,811	15
33736	Hercules . . . .	.	9 19,68	2,312	60 26 53,1	0,816	168
33737	Hercules	7	9 20,27	2,634	71 56 3,6	0,817	80
33738	Sagittarius	7	9 20,48	3,795	118 30 16,3	0,817	568
33739	Lyra	6	9 25,80	1,862	47 53 59,6	0,825	294
33740	Lyra	6	9 26,24	1,862	47 54 6,9	0,826	237
33741	Lyra	8½	9 27,64	1,975	50 40 34,5	0,828	12
33742	Ophiuchus	8½	9 30,84	2,870	81 30 37,0	0,833	88
33743	Hercules	8	9 30,94	+2,532	68 4 11,8	0,833	236
33744	Draco	8	9 32,72	-0,902	18 35 42,3	0,835	360
33745	Sagittarius	7½	9 35,24	+3,435	105 18 20,4	0,839	471
33746	Sagittarius	7	9 35,39	3,435	105 18 15,2	0,839	298
33747	Sagittarius	8	9 37,50	3,539	109 20 43,1	0,842	172
33748	Sagittarius	6	9 37,56	3,528	108 56 3,2	0,842	171
33749	Sagittarius	8	9 38,20	+3,429	105 3 4,0	0,843	298
33750	Draco	9	9 40,46	-0,228	22 3 24,1	0,847	356
33751	Sagittarius	9½	9 43,17	+3,788	118 16 1,6	0,851	568
33752	Ophiuchus	7½	9 45,50	2,782	77 50 53,8	0,854	85
33753	Hercules	6½	9 47,85	2,496	66 46 11,6	0,857	101
33754	Lyra	6½	9 48,31	1,726	44 50 44,3	0,858	240
33755	Hercules	7	9 48,51	2,186	56 31 51,3	0,858	293
33756	Ophiuchus	7½	9 49,00	2,783	77 52 28,7	0,859	85
33757	Hercules	6	9 49,01	2,186	56 31 56,1	0,859	18
33758	Hercules . . . .	.	9 49,53	1,528	40 54 25,7	0,860	386
33759	Hercules	9 49,69	1,528	40 54 23,3	0,860	387
33760	Hercules	8	18 9 49,81	+1,528	40 54 19,3	-0,860	358

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33761	Ophiuchus	8½	18 9 50,71	+2,953	85 1 22,9	-0,861	90
33762	Hercules	9 51,58	1,528	40 54 24,2	0,863	387
33763	Sagittarius	8	9 54,42	+3,612	112 5 51,6	0,867	173
33764	Draco	9	9 56,08	-0,329	21 27 42,8	0,869	359
33765	Ophiuchus	8	9 58,33	+2,774	77 32 3,1	0,873	85
33766	Ophiuchus	8	9 59,13	2,988	86 30 23,9	0,874	92
33767	Sagittarius	8	10 0,53	3,620	112 22 25,1	0,876	173
33768	Draco	8½	10 1,14	0,161	24 40 11,7	0,877	362
33769	Sagittarius	8	10 7,01	+3,618	112 19 1,6	0,885	173
33770	Draco	7½	10 9,20	-2,193	14 14 35,9	0,888	360
33771	Hercules	8½	10 10,63	+2,439	64 44 19,1	0,890	170
33772	Hercules	9	10 10,70	2,439	64 44 17,1	0,891	104
33773	Hercules	6	10 11,32	1,612	42 30 3,4	0,892	354
33774	Draco	9	10 12,25	1,329	37 30 1,9	0,893	357
33775	Hercules	9	10 12,97	2,315	60 32 2,8	0,894	168
33776	Hercules	9	10 14,90	2,320	60 42 46,0	0,897	168
33777	Ophiuchus	8	10 15,13	2,829	79 47 21,1	0,897	86
33778	Sagittarius	8	10 15,70	3,463	106 24 2,5	0,898	471
33779	Hercules	8	10 15,74	2,466	65 37 40,0	0,898	101
33780	Hercules	7	10 16,47	2,693	74 14 41,6	0,899	82
33781	Hercules	8	10 20,28	2,560	69 6 42,6	0,904	236
33782	Hercules	8	10 21,71	2,600	70 37 4,9	0,907	78
33783	Lyra	8	10 22,98	2,064	53 2 8,8	0,908	295
33784	Lyra	9	10 23,66	1,909	49 1 24,5	0,910	294
33785	Serpens	8	10 29,15	3,081	90 30 19,4	0,918	96
33786	Ophiuchus	8	10 30,17	2,906	83 0 15,2	0,919	88
33787	Draco	8	10 33,89	1,425	39 5 20,9	0,925	299
33788	Hercules	8½	10 37,55	2,436	64 37 22,8	0,930	170
33789	Hercules	9	10 37,67	2,436	64 37 25,8	0,930	104
33790	Serpens	8	10 39,14	+3,354	101 59 45,9	0,932	348
33791	Draco	9	10 39,15	-0,194	22 15 44,2	0,932	356
33792	Ophiuchus	8	10 44,48	+2,791	78 11 54,7	0,940	85
33793	Lyra	6½	10 46,19	1,914	49 7 59,4	0,942	294
33794	Lyra	5	10 46,51	1,914	49 8 8,2	0,943	12
33795	Lyra	7	10 46,76	1,914	49 8 3,5	0,943	237
33796	Sagittarius	8½	10 47,02	3,432	105 10 17,4	0,943	298
33797	Sagittarius	8	10 47,52	3,432	105 10 6,4	0,944	298
33798	Ophiuchus	8	10 48,58	2,998	86 56 5,5	0,946	92
33799	Ophiuchus	5½	10 53,12	2,993	86 41 57,9	0,952	92
33800	Serpens	8	18 10 53,44	+3,144	93 10 59,1	-0,955	98

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33801	Hercules	5	18 10 56,84	+2,464	65 37 36,7	-0,958	101
33802	Serpens η	3	10 57,91	3,138	92 56 15,6	0,959	474
33803	Serpens η	3½	10 58,10	3,138	92 56 11,4	0,960	98
33804	Serpens η	3½	10 58,42	3,138	92 56 12,4	0,960	111
33805	Draco.....	8½	11 2,33	1,387	38 26 35,1	0,966	299
33806	Sagittarius....	8	11 7,43	3,728	116 15 6,7	0,973	567
33807	Hercules	8	11 7,64	2,607	70 54 3,9	0,974	78
33808	Ophiuchus....	7½	11 9,19	2,833	79 58 19,9	0,976	86
33809	Lyra	9	11 9,84	1,836	47 15 59,6	0,977	237
33810	Hercules	6	11 10,57	1,570	41 41 54,5	0,978	354
33811	Draco.....	8	11 11,44	1,451	39 31 52,7	0,979	358
33812	Sagittarius....	8½	11 14,67	3,478	107 0 12,9	0,984	471
33813	Lyra	7	11 18,94	1,939	49 45 32,5	0,990	12
33814	Hercules	6	11 19,99	1,584	41 57 40,7	0,992	354
33815	Serpens	7	11 21,09	3,247	97 34 40,0	0,993	474
33816	Hercules	8½	11 23,98	2,314	60 29 22,3	0,997	168
33817	Sagittarius....	8	11 24,90	3,575	110 44 11,9	0,999	172
33818	Aquila	8	11 26,84	3,352	101 56 24,6	1,002	348
33819	Aquila	9	11 28,15	3,315	100 24 26,7	1,003	296
33820	Hercules	7	11 30,07	2,203	57 1 41,6	1,007	18
33821	Hercules	7½	11 30,30	2,203	57 1 33,3	1,007	293
33822	Hercules	7½	11 30,57	2,204	57 1 40,5	1,007	473
33823	Draco.....	9	11 31,50	1,405	38 44 12,1	1,008	299
33824	Draco.....	9	11 33,32	0,386	26 27 21,6	1,011	362
33825	Sagittarius....	8	11 34,82	3,470	106 40 39,1	1,012	471
33826	Draco.....	8	11 38,49	0,061	23 56 21,5	1,019	362
33827	Ophiuchus....	6	11 39,02	2,944	84 38 35,3	1,020	90
33828	Hercules	8	11 39,91	2,377	62 34 39,6	1,021	238
33829	Draco.....	7	11 40,73	0,938	32 3 49,3	1,022	355
33830	Sagittarius....	8½	11 42,53	3,732	116 21 58,5	1,024	567
33831	Draco.....	6	11 44,28	1,283	36 46 18,4	1,027	354
33832	Hercules	8	11 47,66	1,532	40 58 31,7	1,031	358
33833	Lyra	8½	11 47,77	2,197	56 51 3,3	1,032	473
33834	Lyra	8½	11 48,00	2,197	56 51 6,0	1,032	293
33835	Lyra	8	11 49,42	+2,197	56 51 8,2	1,035	18
33836	Draco.....	9½	11 50,31	-3,808	10 59 20,7	1,035	361
33837	Hercules	5½	11 50,43	+2,533	68 6 46,0	1,036	236
33838	Hercules	7½	11 52,47	2,332	61 5 48,9	1,039	238
33839	Ophiuchus....	7½	11 53,68	2,743	76 15 41,1	1,041	84
33840	Ophiuchus....	8	18 11 54,88	+3,068	89 55 31,5	-1,042	96

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33841	Aquila	8	18 11 58,40	+3,395	103 40 48,2	-1,048	298
33842	Hercules	8½	11 59,06	2,434	64 32 45,1	1,049	170
33843	Aquila	6½	11 59,12	3,312	100 18 7,3	1,049	296
33844	Hercules	9	11 59,18	2,434	64 32 39,0	1,049	104
33845	Aquila	6	12 0,86	3,356	102 5 52,1	1,052	348
33846	Serpens .....	.	12 3,28	3,100	91 17 1,8	1,054	98
33847	Serpens	7	12 3,33	3,100	91 17 2,4	1,054	96
33848	Hercules	8½	12 5,44	2,406	63 34 10,0	1,058	170
33849	Draco.....	.	12 5,95	1,411	38 50 24,1	1,059	300
33850	Aquila	7	12 6,41	3,363	102 23 8,3	1,059	348
33851	Lyra	9	12 6,90	1,803	46 30 18,5	1,060	10
33852	Ophiuchus....	9	12 7,65	2,859	81 2 59,2	1,061	86
33853	Hercules	6	12 8,69	+2,311	60 24 36,8	1,063	168
33854	Draco.....	10	12 11,02	-3,772	11 2 43,5	1,066	361
33855	Sagittarius....	9	12 12,64	+3,738	116 34 51,6	1,069	567
33856	Ophiuchus....	9	12 14,80	2,856	80 55 0,9	1,072	86
33857	Lyra	8	12 15,15	2,042	52 24 57,6	1,073	295
33858	Hercules	7	12 16,16	2,511	67 16 52,9	1,074	101
33859	Ophiuchus....	8	12 16,57	2,756	76 46 20,7	1,074	84
33860	Hercules	8	12 19,96	2,318	60 37 51,9	1,079	168
33861	Hercules	9	12 21,95	+2,320	60 41 42,0	1,081	168
33862	Draco.....	8½	12 24,87	-1,065	17 53 49,9	1,086	360
33863	Lyra	9	12 25,94	+1,846	47 30 36,4	1,086	237
33864	Lyra	8½	12 26,02	1,846	47 30 35,2	1,088	294
33865	Hercules	8	12 28,30	2,588	70 9 34,1	1,091	78
33866	Hercules	6	12 38,48	2,332	61 5 52,1	1,106	23
33867	Lyra	8	12 39,74	1,915	49 9 0,9	1,108	294
33868	Lyra	7½	12 43,05	1,671	43 40 2,1	1,113	240
33869	Draco.....	6	12 43,14	0,291	25 40 7,3	1,113	362
33870	Draco.....	9½	12 43,64	+0,779	30 14 26,0	1,114	356
33871	Draco.....	9	12 44,05	-0,444	20 48 31,6	1,114	359
33872	Draco.....	5	12 44,50	+0,291	25 40 3,7	1,115	363
33873	Aquila	7½	12 45,70	3,370	102 40 17,4	1,116	348
33874	Ophiuchus....	8	12 45,90	2,902	82 51 25,7	1,117	81
33875	Lyra	8½	12 49,80	2,048	52 35 18,6	1,123	295
33876	Hercules	8	12 50,24	2,698	74 26 53,5	1,123	82
33877	Serpens	8½	12 51,38	3,218	96 20 13,0	1,125	474
33878	Serpens	8	12 51,44	3,218	96 20 41,5	1,125	235
33879	Lyra x	4	12 51,51	2,100	54 0 59,3	1,125	15
33880	Hercules	7½	18 12 52,82	+2,376	62 33 20,1	-1,127	238

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33881	Hercules	7	18 12 52.83	+2,376	62 33 25.2	-1,127	23
33882	Draco	10	12 53.78	0,772	30 9 44.0	1,128	356
33883	Aquila	8½	12 58.66	3,361	102 19 9.0	1,135	348
33884	Aquila	9	12 59.26	3,361	102 18 13.9	1,136	348
33885	Sagittarius	9	13 0.69	3,638	113 4 19.0	1,139	566
33886	Hercules	8	13 0.77	2,268	59 0 46.6	1,139	473
33887	Lyra	8	13 7.58	1,988	50 59 13.6	1,148	12
33888	Ophiuchus	7	13 8.29	2,903	82 52 40.7	1,149	88
33889	Hercules . . .	5	13 13.17	2,336	61 13 2.9	1,156	23
33890	Hercules . . .	6	13 13.23	2,336	61 12 58.6	1,157	238
33891	Hercules	8	13 14.69	2,400	63 22 33.3	1,158	170
33892	Hercules	6	13 14.77	2,306	60 13 36.0	1,159	168
33893	Serpens	8	13 15.40	3,064	89 44 39.3	1,160	96
33894	Sagittarius	7½	13 16.06	3,520	108 37 49.0	1,161	171
33895	Ophiuchus	7	13 16.95	2,787	78 3 25.2	1,162	85
33896	Hercules	6½	13 17.49	2,448	65 1 25.8	1,162	104
33897	Hercules	7½	13 18.85	2,546	68 34 34.0	1,165	236
33898	Sagittarius	8½	13 20.39	3,462	106 22 7.1	1,167	471
33899	Hercules	8	13 20.46	2,593	70 21 20.9	1,167	78
33900	Draco	8½	13 23.05	0,247	25 18 59.4	1,170	362
33901	Draco	9	13 23.34	0,248	25 19 0.0	1,171	363
33902	Lyra	8½	13 23.95	1,779	45 57 53.2	1,172	10
33903	Aquila	8½	13 25.49	3,367	102 34 6.9	1,174	348
33904	Sagittarius	6	13 26.62	3,572	110 38 2.4	1,176	172
33905	Serpens	7	13 29.40	3,098	91 14 1.6	1,180	96
33906	Hercules	8	13 30.30	2,552	62 49 1.3	1,181	236
33907	Serpens . . . . .	.	13 30.46	3,145	93 14 14.9	1,181	98
33908	Lyra	8	13 30.93	1,790	46 12 58.3	1,182	10
33909	Ophiuchus	8	13 31.11	3,000	86 59 38.2	1,182	92
33910	Serpens	6	13 32.36	3,155	93 40 18.0	1,184	111
33911	Lyra	8½	13 32.63	2,044	52 27 39.3	1,185	295
33912	Lyra	8	13 34.09	1,871	48 4 51.4	1,187	237
33913	Lyra	8	13 34.90	1,871	48 4 49.5	1,188	294
33914	Sagittarius	8½	13 35.42	3,641	113 10 30.3	1,189	566
33915	Serpens	8	13 36.19	3,264	98 15 53.4	1,190	100
33916	Ophiuchus	9½	13 40.99	2,786	77 59 52.9	1,197	85
33917	Sagittarius	8½	13 41.52	3,586	111 7 53.6	1,198	173
33918	Serpens	8	13 43.57	3,167	94 10 52.3	1,200	111
33919	Hercules	8	13 44.02	2,692	74 11 44.7	1,201	82
33920	Hercules	6	18 13 45.83	+1,562	41 30 59.1	-1,204	354

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33921	Hercules	8	18 13 46,01	+2,694	74 17 48,9	-1,204	82
33922	Draco.....	8½	13 46,22	0,014	23 35 44,4	1,204	362
33923	Serpens	7½	13 46,37	3,096	91 8 56,3	1,205	96
33924	Serpens	8	13 47,02	+3,072	90 5 23,9	1,206	96
33925	Draco.....	10	13 48,28	-0,464	20 41 42,5	1,208	359
33926	Hercules	5½	13 48,57	+2,498	66 48 19,5	1,208	101
33927	Hercules	7½	13 49,27	2,209	57 12 7,8	1,209	293
33928	Sagittarius....	8½	13 49,27	3,433	105 13 4,9	1,209	298
33929	Hercules	6½	13 49,36	+2,209	57 12 8,4	1,209	18
33930	Draco.....	8	13 50,13	-2,317	13 55 2,2	1,211	360
33931	Lyra	9	13 52,43	+1,744	45 11 28,1	1,213	240
33932	Lyra	9	13 53,09	1,871	48 4 43,4	1,214	237
33933	Serpens	6½	13 53,36	3,238	97 10 5,4	1,214	235
33934	Lyra	8½	13 54,30	1,871	48 4 39,4	1,216	294
33935	Serpens	9	13 56,07	3,037	88 35 29,7	1,219	94
33936	Hercules	7½	13 56,27	2,208	57 8 47,7	1,219	293
33937	Hercules	7	13 57,33	2,208	57 8 47,2	1,221	18
33938	Serpens	7	13 57,95	3,226	96 41 39,2	1,222	474
33939	Serpens	7½	13 58,74	+3,226	96 41 44,0	1,223	235
33940	Draco.....	9½	14 6,94	-4,330	10 13 30,8	1,235	365
33941	Hercules	5½	14 8,05	+2,672	73 24 1,3	1,236	80
33942	Hercules	6½	14 8,06	2,672	73 23 59,4	1,236	82
33943	Lyra	8	14 8,68	2,092	53 47 8,3	1,237	15
33944	Lyra	8½	14 10,21	2,142	55 12 22,7	1,240	15
33945	Sagittarius....	7½	14 11,13	3,434	105 15 2,0	1,241	298
33946	Hercules	8	14 12,61	2,609	70 56 25,2	1,243	78
33947	Serpens	6	14 14,71	2,722	75 23 24,5	1,246	84
33948	Hercules	8½	14 15,71	2,492	56 37 9,0	1,247	101
33949	Serpens	8½	14 17,72	2,987	88 27 8,6	1,250	92
33950	Hercules	8	14 18,55	2,300	60 2 33,2	1,251	168
33951	Serpens	8	14 19,54	3,115	91 57 57,4	1,253	98
33952	Lyra	8½	14 20,04	2,069	53 8 44,8	1,254	295
33953	Sagittarius....	9	14 21,80	3,648	113 26 41,4	1,256	566
33954	Hercules	8	14 22,29	2,231	57 50 27,0	1,257	473
33955	Hercules	7½	14 24,24	2,561	69 7 33,2	1,260	236
33956	Serpens	9	14 29,56	2,839	80 12 51,6	1,268	86
33957	Sagittarius....	8	14 31,35	3,651	113 32 4,3	1,271	566
33958	Hercules	8½	14 32,19	2,222	57 35 13,7	1,272	473
33959	Serpens	6½	14 34,94	3,109	91 40 29,5	1,276	98
33960	Hercules	8½	18 14 37,44	+2,204	57 2 22,4	-1,279	293

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33961	Sagittarius....	8	18 14 37.51	+3,481	106 2 4.3	-1,279	471
33962	Hercules	9	14 38.82	+2,415	63 51 43.9	1,281	104
33963	Draco.....	9	14 41.76	-0,331	21 25 42.6	1,285	356
33964	Serpens	8	14 41.92	+2,717	75 10 55.0	1,285	84
33965	Serpens	8	14 43.03	2,947	84 45 25.9	1,287	90
33966	Sagittarius....	8	14 44.85	3,508	108 11 7.5	1,290	171
33967	Serpens	8	14 45.41	2,813	79 8 4.1	1,290	85
33968	Serpens	-	14 52.41	2,724	75 29 32.4	1,301	84
33969	Draco.....	7½	14 52.78	1,326	37 25 47.9	1,301	300
33970	Sagittarius....	7	14 54.14	3,445	105 43 45.6	1,303	471
33971	Hercules	9	14 55.11	+2,377	62 34 19.4	1,305	238
33972	Draco.....	8	14 56.70	-4,465	10 2 34.8	1,307	365
33973	Draco.....	9½	14 58.90	-3,850	10 54 57.8	1,310	361
33974	Sagittarius....	8	14 59.58	+3,497	107 45 17.6	1,311	171
33975	Aquila	8	15 0.08	3,389	103 27 30.2	1,312	348
33976	Serpens	7½	15 4.14	+2,903	82 51 58.5	1,318	88
33977	Draco.....	8	15 4.27	-4,468	10 2 20.7	1,318	365
33978	Aquila	9	15 5.49	+3,380	103 5 24.7	1,320	348
33979	Hercules	8½	15 6.21	2,493	66 38 18.6	1,321	101
33980	Draco.....	9	15 7.69	0,334	26 0 21.1	1,323	363
33981	Serpens	8	15 7.97	2,990	86 35 49.6	1,323	92
33982	Hercules	4	15 10.79	2,539	68 18 35.1	1,327	236
33983	Serpens	8	15 12.19	2,907	83 4 6.8	1,329	88
33984	Serpens	8½	15 13.85	3,263	98 15 5.7	1,332	100
33985	Serpens	8	15 14.15	2,832	79 54 45.7	1,332	86
33986	Draco.....	6½	15 14.48	1,406	38 44 6.0	1,332	300
33987	Draco.....	6½	15 14.51	1,406	38 44 3.4	1,333	358
33988	Draco.....	7	15 14.94	1,406	38 44 3.6	1,334	357
33989	Sagittarius....	6	15 15.78	3,742	116 44 13.9	1,336	567
33990	Hercules	8½	15 17.51	2,422	64 5 51.2	1,338	170
33991	Hercules	9	15 19.56	2,295	59 58 7.6	1,341	168
33992	Hercules	8	15 20.96	2,409	63 40 18.7	1,343	170
33993	Serpens	8½	15 21.46	2,963	85 25 21.1	1,343	92
33994	Hercules	7½	15 22.01	2,698	74 26 23.2	1,343	82
33995	Serpens	9	15 22.92	3,187	95 0 42.5	1,345	111
33996	Serpens	8	15 29.22	2,843	80 21 41.3	1,354	88
33997	Lyra	7½	15 29.24	2,071	53 11 15.3	1,354	295
33998	Hercules	7	15 29.25	2,487	66 24 50.1	1,354	101
33999	Lyra	8	15 29.81	2,071	53 11 17.9	1,355	15
34000	Hercules	7	18 15 29.97	+2,575	69 38 47.8	-1,355	78

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34001	Lyra	8½	18 15 30,50	+1,905	48° 52' 29,6	-1,356	237
34002	Lyra	8	15 31,20	1,905	48 52 28,7	1,357	294
34003	Hercules	8	15 32,37	2,378	62 35 6,2	1,359	238
34004	Hercules	7½	15 32,68	2,378	62 35 7,8	1,359	23
34005	Aquila	8	15 35,20	3,264	98 17 14,6	1,363	100
34006	Aquila	8	15 36,95	3,401	103 57 28,7	1,366	298
34007	Sagittarius . . .	6	15 37,56	3,745	116 51 36,7	1,367	567
34008	Draco	9	15 38,24	0,278	25 32 32,1	1,368	363
34009	Serpens	8½	15 39,96	3,111	91 46 48,3	1,370	98
34010	Serpens	8½	15 41,98	3,239	97 13 34,7	1,373	474
34011	Lyra	8½	15 46,18	1,860	47 48 15,3	1,379	237
34012	Lyra	8	15 46,68	1,860	47 48 3,5	1,380	294
34013	Serpens	8	15 47,09	2,964	85 28 43,0	1,380	92
34014	Sagittarius . . .	9	15 48,17	3,682	114 40 4,2	1,382	566
34015	Serpens	7	15 52,23	3,054	89 19 19,1	1,388	96
34016	Lyra	8	15 54,42	1,939	49 43 0,6	1,391	12
34017	Serpens	9	15 55,45	2,810	79 0 11,3	1,393	85
34018	Serpens	8½	15 56,96	3,203	95 42 9,5	1,395	235
34019	Lyra	8½	15 57,98	1,755	45 24 47,1	1,396	10
34020	Sagittarius . . .	7	15 58,73	3,639	113 6 20,6	1,397	173
34021	Serpens	6	16 1,46	2,884	82 4 5,6	1,402	82
34022	Lyra	9	16 2,29	1,983	50 50 1,6	1,403	12
34023	Sagittarius . . .	7	16 2,69	3,439	105 28 54,2	1,403	471
34024	Hercules	7½	16 4,07	2,672	73 24 2,2	1,405	82
34025	Serpens	8½	16 5,83	3,222	96 31 24,5	1,408	474
34026	Serpens . . . . .	.	16 8,67	+2,906	83 0 0,3	1,412	82
34027	Draco	9½	16 10,10	-4,435	10 4 45,0	1,415	365
34028	Hercules	7½	16 10,96	+2,412	63 46 1,3	1,416	170
34029	Hercules	7½	16 11,17	2,412	63 45 56,0	1,416	104
34030	Serpens	8	16 11,94	3,218	96 20 30,4	1,417	235
34031	Serpens	8	16 12,09	+3,218	96 20 28,9	1,417	474
34032	Draco	9	16 13,77	-0,069	23 1 46,6	1,419	362
34033	Sagittarius . . .	8	16 14,56	+3,466	106 32 5,0	1,421	471
34034	Aquila	7	16 16,15	3,261	98 8 44,7	1,422	100
34035	Sagittarius . . .	6	16 16,21	3,501	107 54 25,1	1,423	171
34036	Serpens	7	16 17,67	2,953	85 0 15,5	1,425	90
34037	Serpens	8	16 20,55	3,076	90 17 16,0	1,429	96
34038	Hercules	8	16 22,68	2,260	58 44 16,8	1,432	473
34039	Hercules	8	16 23,07	3,555	68 53 59,3	1,433	236
34040	Serpens	8	18 16 23,69	+2,837	80 5 17,4	-1,434	87

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34041	Draco.....	.	18 16 25,04	+1,534	40 58 21,4	-1,435	386
34042*	Draco.....	4½	16 25,07	1,533	40 57 58,9	1,435	354
34043	Draco.....	.	16 25,94	+1,534	40 58 26,1	1,437	387
34044	Draco.....	6	16 26,40	-0,349	21 19 0,8	1,437	356
34045	Sagittarius....	7½	16 28,13	+3,820	119 21 54,7	1,440	568
34046	Hercules	8	16 28,61	2,289	59 38 34,0	1,441	168
34047	Sagittarius....	7	16 29,49	3,740	116 41 29,3	1,442	567
34048	Sagittarius....	8	16 37,30	3,696	115 8 57,7	1,454	566
34049	Lyra	8	16 39,40	+2,020	51 47 36,4	1,456	295
34050	Draco.....	7	16 45,57	-0,752	19 14 20,2	1,466	359
34051	Draco.....	7	16 46,59	+1,410	38 47 27,1	1,468	358
34052	Draco.....	7	16 46,79	1,410	38 47 25,7	1,468	300
34053	Draco.....	7½	16 46,90	+1,410	38 47 17,3	1,468	357
34054	Draco.....	7½	16 47,79	-0,752	19 14 19,6	1,469	360
34055	Sagittarius....	8	16 50,39	+3,473	106 48 39,6	1,472	471
34056	Draco.....	9½	16 52,12	-3,154	12 5 40,9	1,475	361
34057	Sagittarius....	9	16 52,66	+3,594	111 28 36,3	1,476	173
34058	Lyra	8½	16 53,41	1,789	46 9 50,2	1,477	10
34059	Serpens	8	16 56,26	2,981	86 11 31,8	1,481	92
34060	Lyra	7½	16 56,92	2,157	55 36 15,2	1,482	293
34061	Lyra	7	16 57,56	2,157	55 36 19,0	1,483	18
34062	Lyra	8	16 57,76	2,235	57 58 6,9	1,484	473
34063	Serpens d	5½	16 58,19	3,068	89 54 31,9	1,484	96
34064	Lyra	7½	17 0,03	2,018	51 45 16,6	1,487	295
34065	Hercules	8	17 0,63	2,285	59 31 33,5	1,488	168
34066	Hercules	7½	17 0,98	2,696	74 20 31,2	1,488	82
34067	Hercules	6	17 1,40	2,381	62 42 25,1	1,489	23
34068	Hercules	6½	17 1,56	2,382	62 42 17,8	1,489	238
34069	Sagittarius....	7	17 1,60	3,702	115 22 5,1	1,489	566
34070	Hercules	8	17 1,93	2,533	68 4 4,1	1,489	236
34071	Sagittarius....	7½	17 2,04	3,702	115 22 2,5	1,489	567
34072	Serpens	8	17 2,18	2,836	80 3 8,0	1,489	87
34073	Serpens	8	17 3,32	2,844	80 24 22,6	1,491	87
34074	Hercules	6½	17 4,60	2,514	67 23 43,4	1,493	101
34075	Serpens	8	17 5,04	3,164	94 2 9,2	1,494	111
34076	Lyra	8	17 11,85	+2,165	55 50 2,3	1,504	294
34077	Draco.....	9	17 12,13	-1,662	15 44 18,4	1,504	359
34078	Lyra	7½	17 12,81	+2,165	55 50 1,0	1,505	18
34079	Hercules	8	17 15,62	2,420	64 1 8,2	1,510	170
34080	Hercules	7½	18 17 15,78	+2,420	64 1 4,7	-1,510	104

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34081	Serpens	8½	18 17 16,20	+2,838	80 9 45,1	-1,510	87
34082	Lyra	7½	17 19,34	2,201	56 55 33,0	1,515	18
34083	Aquila	8	17 20,61	3,380	103 6 28,5	1,517	348
34084	Sagittarius....	9	17 21,13	3,710	115 39 28,7	1,517	567
34085	Hercules	8½	17 22,61	2,422	64 6 8,2	1,519	170
34086	Hercules	8	17 23,16	2,422	64 6 8,7	1,520	104
34087	Serpens	8	17 23,26	2,891	82 22 29,5	1,521	■
34088	Lyra	7½	17 23,63	1,676	43 44 20,5	1,521	240
34089	Hercules	8	17 27,27	2,544	68 29 56,4	1,526	236
34090	Serpens	7	17 27,93	2,721	75 21 0,8	1,527	84
34091	Draco.....	9	17 29,61	0,765	30 3 18,6	1,530	356
34092	Hercules	8	17 31,01	2,617	71 14 7,9	1,532	78
34093	Hercules	8	17 31,20	2,617	71 14 12,3	1,532	80
34094	Draco.....	7½	17 31,23	1,396	38 33 7,3	1,532	357
34095	Draco.....	7	17 31,56	1,395	38 32 9,2	1,532	300
34096	Serpens	8	17 32,19	2,908	83 5 53,8	1,533	88
34097	Serpens	9	17 32,39	+2,800	78 35 18,9	1,533	85
34098	Draco.....	9½	17 33,71	-3,827	10 56 35,6	1,536	361
34099	Serpens	9	17 34,35	+3,017	87 43 44,1	1,537	94
34100	Serpens	9	17 35,78	3,098	91 12 7,9	1,538	98
34101	Serpens	7½	17 35,95	3,068	89 54 29,6	1,539	96
34102	Aquila	8½	17 37,62	3,379	103 4 22,3	1,541	348
34103	Lyra .....μ	5	17 38,31	1,974	50 35 35,4	1,543	12
34104	Hercules	8	17 38,96	2,373	62 25 3,2	1,543	238
34105	Hercules	8	17 39,09	2,609	70 55 28,3	1,544	78
34106	Hercules	8	17 39,32	+2,373	62 25 4,4	1,544	23
34107	Draco.....	9	17 41,47	-1,681	15 40 43,9	1,547	359
34108	Hercules	8½	17 42,47	+2,587	70 6 47,6	1,548	78
34109	Draco.....	7	17 43,85	0,888	31 26 1,3	1,550	355
34110	Aquila	8	17 44,16	+3,313	100 20 6,1	1,551	296
34111	Draco.....	9	17 44,29	-3,825	10 56 39,7	1,551	365
34112	Serpens	8	17 47,45	+2,808	78 53 53,2	1,555	85
34113	Sagittarius....	5	17 48,26	3,419	104 40 46,6	1,557	298
34114	Serpens	6	17 51,53	2,716	75 8 9,2	1,562	84
34115	Serpens	6½	17 52,89	2,985	86 21 42,6	1,563	92
34116	Draco.....	9½	17 54,43	0,316	25 50 6,5	1,566	363
34117	Sagittarius....	8	17 54,57	3,583	111 3 55,9	1,566	172
34118	Serpens	8	17 54,93	3,162	93 58 10,7	1,566	111
34119	Sagittarius....	8½	17 57,65	3,710	115 39 54,9	1,570	567
34120	Lyra	7	18 17 59,24	+1,854	47 37 57,7	-1,573	294

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34121	Lyra	7	18	17	59.52	+1,854	47	38	5.4
34122	Lyra	8	18	0.21		1,791	46	11	42.5
34123	Sagittarius....	8½	18	3.94		3,457	106	12	33.1
34124	Sagittarius....	8½	18	4.13		3,471	106	45	21.2
34125	Serpens	8	18	8.21		+2,841	80	15	38.6
34126	Draco.....	7	18	8.35		-0,343	21	20	14.5
34127	Lyra	9	18	10.34		+2,166	55	52	11.1
34128	Serpens	5½	18	12.97		2,957	83	54	56.5
34129	Hercules	7	18	15.13		2,416	63	52	47.6
34130	Hercules	7	18	15.81		2,416	63	52	49.0
34131	Hercules	7	18	15.93		2,309	60	16	33.8
34132	Hercules	8½	18	18.77		2,271	59	3	33.0
34133	Hercules	8	18	20.69		2,469	65	44	17.8
34134	Sagittarius....	6½	18	22.74		3,419	104	42	0.6
34135	Serpens	8½	18	24.63		3,054	89	18	52.0
34136	Serpens .....	.	18	25.23		3,054	89	18	49.7
34137	Hercules	7	18	26.66		2,409	63	38	50.2
34138	Sagittarius....	6	18	26.70		3,524	108	50	25.3
34139	Hercules	7	18	26.86		2,409	63	38	51.7
34140	Hercules	8	18	27.64		2,358	61	55	2.3
34141	Hercules	7	18	30.16		2,410	63	39	37.2
34142	Hercules	8½	18	31.46		2,369	62	15	51.7
34143	Sagittarius....	9	18	33.96		3,605	111	52	12.3
34144	Sagittarius....	8	18	35.68		3,460	106	18	30.7
34145	Lyra	8	18	37.33		2,203	56	57	29.3
34146	Serpens	7½	18	38.23		2,913	83	16	55.5
34147*	Hercules	7	18	38.36		2,410	63	39	36.7
34148	Lyra	7½	18	39.45		2,016	51	39	53.0
34149	Hercules	8	18	39.64		2,620	71	22	11.8
34150	Sagittarius....	9	18	40.57		3,566	110	24	19.7
34151	Lyra	7½	18	40.72		2,128	54	45	48.5
34152	Sagittarius....	8	18	44.12		3,692	115	■	47.4
34153	Aquila	9	18	45.36		3,379	103	3	50.1
34154	Hercules	8	18	45.56		2,253	58	30	29.4
34155	Serpens .....	.	18	47.12		2,723	75	24	28.1
34156	Serpens	8½	18	51.95		2,808	78	53	55.7
34157	Sagittarius....	9	19	0.32		3,599	111	38	48.0
34158	Lyra	8½	19	0.46		1,990	50	59	5.9
34159	Hercules	7½	19	1.10		2,606	70	49	10.4
34160	Serpens	8	18	19	2.91	+3,065	89	47	29.5

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34161	Draco.....	9	18 19 4,56	+1,393	38° 28' 21,6	-1,667	300
34162	Draco.....	9½	19 5,01	1,392	38 27 43,9	1,668	357
34163	Hercules	8½	19 10,12	2,549	68 39 2,0	1,676	236
34164	Sagittarius....	7½	19 10,90	3,647	113 26 16,6	1,677	566
34165	Lyra	9	19 11,73	1,903	48 47 30,6	1,678	294
34166	Draco.....	8	19 15,59	0,324	25 53 35,4	1,684	363
34167	Serpens c	5½	19 16,25	3,119	92 6 7,2	1,685	98
34168	Hercules	7	19 16,84	2,273	59 8 42,0	1,686	473
34169	Serpens c	8	19 21,81	3,165	94 6 18,2	1,692	111
34170	Serpens c	7½	19 23,82	2,980	86 8 42,4	1,696	92
34171	Lyra	8½	19 23,89	1,682	43 50 19,9	1,696	240
34172	Sagittarius....	8½	19 24,85	3,470	106 41 42,8	1,697	471
34173	Serpens c	7½	19 26,38	2,984	86 19 53,8	1,699	92
34174	Aquila	8	19 26,48	3,328	100 59 5,1	1,699	296
34175	Serpens c	8½	19 27,01	3,114	91 55 31,6	1,700	98
34176	Serpens c	8½	19 30,94	2,814	79 8 5,6	1,706	85
34177	Hercules	9	19 31,88	2,379	62 36 54,8	1,707	238
34178	Aquila	6	19 32,65	3,206	95 50 37,2	1,708	474
34179	Aquila	6	19 32,98	3,206	95 50 35,6	1,709	235
34180	Hercules	7	19 33,08	2,460	65 25 4,8	1,709	101
34181	Serpens c	8	19 34,24	2,845	80 26 3,3	1,711	87
34182	Lyra	8	19 35,23	2,116	54 23 47,5	1,712	15
34183	Sagittarius....	7½	19 35,47	3,529	109 1 15,9	1,713	171
34184	Draco.....	9½	19 36,73	1,399	38 34 18,6	1,714	357
34185	Draco.....	9	19 37,39	1,399	38 34 22,6	1,716	300
34186	Sagittarius....	8	19 41,27	3,513	108 23 8,8	1,721	171
34187	Draco.....	9	19 42,59	0,183	24 46 35,3	1,723	362
34188	Sagittarius....	6	19 43,31	3,516	108 31 29,6	1,724	171
34189	Sagittarius....	8	19 43,85	3,759	117 20 43,3	1,725	568
34190	Hercules	8	19 46,77	2,671	73 20 27,1	1,729	80
34191	Lyra	9	19 47,08	2,151	55 25 33,1	1,730	294
34192	Sagittarius....	8½	19 47,44	3,737	116 36 52,6	1,730	567
34193	Serpens c	8	19 47,62	+2,900	82 45 47,0	1,730	111
34194	Draco.....	8½	19 48,10	-0,576	20 4 36,6	1,731	359
34195	Serpens c	9	19 48,52	+3,045	88 56 18,5	1,732	94
34196	Serpens c	7½	19 49,11	2,716	75 7 39,8	1,733	82
34197	Serpens c	8	19 49,93	+2,816	79 13 30,6	1,734	85
34198	Draco.....	9½	19 51,67	-0,022	23 18 43,7	1,736	362
34199	Lyra	8½	19 54,26	+1,989	50 57 21,3	1,740	12
34200	Lyra	8½	18 19 59,57	+2,054	52 40 18,6	-1,748	295

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34201	Aquila	8½	18 19 59,98	+3,533	102 0 40,7	-1,748	348
34202	Sagittarius....	8½	20 0,30	+3,454	106 6 2,3	1,749	471
34203	Draco.....	7½	20 5,06	-0,121	22 39 39,2	1,756	356
34204	Serpens	8	20 5,16	+2,750	76 29 52,2	1,756	84
34205	Serpens	8	20 5,76	2,914	83 21 25,5	1,757	90
34206	Serpens	9	20 6,04	3,116	92 0 26,5	1,757	98
34207	Sagittarius....	7½	20 6,18	3,535	109 15 0,4	1,757	172
34208	Serpens	7	20 9,29	2,978	86 3 13,9	1,762	92
34209	Draco.....	.	20 11,58	1,496	40 14 30,2	1,765	387
34210	Draco.....	.	20 11,60	1,496	40 14 34,6	1,765	386
34211	Draco.....	8	20 12,11	1,496	40 14 30,6	1,766	358
34212	Hercules	7	20 14,20	2,267	58 55 0,1	1,768	20
34213	Lyra	8	20 14,22	2,123	54 35 40,4	1,769	15
34214	Hercules	8	20 14,43	2,267	58 55 0,6	1,769	473
34215	Aquila	7	20 15,30	3,356	102 8 5,1	1,770	348
34216	Aquila	8½	20 15,96	3,189	95 8 6,4	1,771	111
34217	Serpens	6½	20 17,48	2,744	76 15 39,7	1,774	84
34218	Aquila	6	20 20,17	3,327	100 55 6,7	1,778	296
34219	Serpens	8	20 22,31	2,857	80 54 38,7	1,781	87
34220	Serpens	8	20 23,89	3,064	89 44 33,7	1,783	96
34221	Sagittarius....	8	20 26,32	3,535	109 15 3,3	1,786	172
34222	Sagittarius....	9	20 26,80	3,619	112 25 16,6	1,787	173
34223	Aquila	7½	20 27,02	3,208	95 54 46,6	1,787	235
34224	Serpens	8	20 29,79	2,842	80 17 4,6	1,792	87
34225	Serpens	8	20 31,23	2,880	81 54 35,0	1,795	■
34226	Hercules	6½	20 32,19	2,640	72 8 4,9	1,795	80
34227	Serpens	8½	20 37,72	2,973	85 50 56,2	1,803	92
34228	Sagittarius....	8½	20 39,69	3,543	109 34 50,7	1,806	172
34229	Sagittarius....	8	20 41,70	3,615	112 15 47,0	1,809	173
34230	Serpens	8	20 42,37	3,063	89 41 39,5	1,810	96
34231	Hercules	7½	20 47,19	2,640	72 6 24,8	1,816	82
34232	Serpens	7½	20 47,64	2,967	85 36 40,7	1,817	92
34233	Serpens	9	20 49,95	3,040	88 43 59,6	1,821	94
34234	Aquila	9	20 50,47	3,347	101 46 34,7	1,822	348
34235	Serpens	8	20 53,65	2,809	78 55 33,6	1,827	85
34236	Hercules	7½	20 55,21	2,650	72 31 16,3	1,828	80
34237	Serpens	8½	20 55,24	2,836	80 2 12,9	1,828	87
34238	Sagittarius....	8	20 56,55	3,453	106 3 32,2	1,831	471
34239	Serpens	8	20 56,67	3,083	90 34 1,4	1,831	96
34240	Sagittarius....	7½	18 20 56,72	+3,434	105 18 28,9	-1,831	298

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34241	Draco.....	5½	18 20 59,37	+0,880	31 18 41,0	-1,834	356
34242	Draco.....	4½	20 59,46	0,880	31 18 41,4	1,835	355
34243	Hercules	7½	21 0,33	2,692	74 10 42,8	1,836	82
34244	Sagittarius....	8	21 0,78	3,669	114 14 29,8	1,837	566
34245	Serpens	9	21 0,94	3,039	88 40 37,4	1,837	94
34246	Draco.....	8½	21 3,94	0,879	31 17 57,9	1,841	356
34247	Lyra	8½	21 4,91	1,693	44 2 35,4	1,843	240
34248	Serpens	7	21 5,68	3,084	90 36 24,4	1,844	96
34249	Serpens	7½	21 5,96	3,111	91 45 36,4	1,844	98
34250	Sagittarius....	8	21 7,79	3,447	105 49 52,8	1,847	471
34251	Serpens	8½	21 11,00	2,887	82 12 28,2	1,851	88
34252	Serpens	7½	21 11,11	2,965	85 29 55,4	1,852	92
34253	Aquila	9	21 13,35	3,292	99 29 51,3	1,855	296
34254	Serpens	7½	21 13,62	2,938	84 22 18,8	1,856	90
34255	Aquila	9	21 14,61	3,215	96 14 33,4	1,857	235
34256	Serpens	8	21 17,46	2,884	82 2 47,9	1,861	88
34257	Sagittarius....	6½	21 18,01	3,426	104 59 47,4	1,862	298
34258	Hercules	6	21 18,34	2,484	66 15 22,9	1,862	101
34259	Aquila	8	21 21,13	3,256	97 57 18,7	1,866	100
34260	Sagittarius....	8½	21 24,10	3,707	115 34 46,0	1,871	567
34261	Hercules	8½	21 24,36	2,535	68 6 37,5	1,871	236
34262	Hercules	9	21 27,17	2,430	64 21 19,8	1,875	104
34263	Sagittarius....	7½	21 27,30	3,515	108 29 56,8	1,875	171
34264	Hercules	7	21 27,67	2,316	60 29 15,6	1,875	21
34265	Hercules	8	21 30,26	2,422	64 3 52,5	1,879	104
34266	Serpens	8½	21 31,69	2,838	80 7 32,8	1,881	87
34267	Lyra	9	21 32,90	2,211	57 11 10,5	1,883	294
34268	Sagittarius....	8½	21 34,19	3,670	114 15 23,1	1,886	566
34269	Sagittarius....	6½	21 40,62	3,667	114 9 57,9	1,894	566
34270	Serpens	7½	21 42,02	2,922	83 39 57,2	1,897	90
34271	Draco.....	8½	21 45,54	0,494	27 19 51,7	1,901	363
34272	Draco.....	8	21 45,54	0,494	27 20 1,3	1,901	355
34273	Lyra	9	21 46,34	1,957	50 7 23,4	1,903	12
34274	Lyra	8½	21 47,88	2,114	54 19 30,1	1,905	15
34275	Hercules	7½	21 47,90	2,539	68 15 32,6	1,905	236
34276	Serpens	7½	21 48,47	2,885	82 6 3,6	1,905	88
34277	Lyra	8	21 49,01	2,062	52 52 4,3	1,906	295
34278	Draco.....	9½	21 49,78	0,249	25 16 0,5	1,907	363
34279	Hercules	8	21 50,93	2,431	64 21 36,7	1,909	104
34280	Sagittarius....	8	18 21 51,34	+3,456	106 10 34,8	-1,910	471

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			h m s	s	° ' "	"	
34281	Aquila	9	18 21 57.96	+3.325	100 50 14.0	-1.920	296
34282	Draco.....	8½	21 58.10	1.373	38 7 6.4	1.920	330
34283	Draco.....	9½	21 58.49	1.373	38 7 2.0	1.921	357
34284	Serpens	8	22 0.09	2.761	76 56 39.9	1.923	84
34285	Lyra	8	22 3.68	2.210	57 9 25.2	1.928	18
34286	Lyra	8	22 3.91	2.210	57 9 27.4	1.929	294
34287	Lyra	8	22 5.15	2.210	57 9 27.3	1.931	20
34288	Hercules	6½	21 7.29	2.567	69 17 55.8	1.933	78
34289	Serpens	7	22 8.86	2.988	86 28 12.8	1.936	92
34290	Lyra .....	.	22 8.88	1.949	49 54 6.9	1.936	12
34291	Lyra	8	22 10.33	2.218	57 24 2.5	1.937	294
34292	Hercules	6	22 10.56	+2.676	73 30 54.2	1.937	82
34293	Draco.....	7	22 10.93	-0.889	18 34 59.1	1.938	360
34294	Lyra	7	22 11.14	+2.218	57 23 57.5	1.938	20
34295	Lyra	8½	22 11.31	1.694	44 3 13.0	1.939	240
34296	Hercules	8½	22 11.71	2.501	66 52 29.1	1.939	101
34297	Sagittarius....	6	22 13.65	3.426	104 59 17.1	1.943	298
34298	Sagittarius....	6½	22 13.65	3.423	104 51 21.5	1.943	298
34299	Sagittarius....	6	22 13.94	3.427	104 59 11.4	1.943	348
34300	Sagittarius....	7½	22 18.28	3.672	114 21 34.2	1.949	566
34301	Serpens	7	22 19.26	2.914	83 20 41.3	1.951	90
34302	Sagittarius....	9	22 23.67	3.494	107 40 17.2	1.957	171
34303	Aquila	9	22 25.53	3.273	98 42 8.7	1.960	100
34304	Draco.....	.	22 25.88	1.501	40 18 21.6	1.960	387
34305	Draco	8	22 26.18	1.501	40 18 16.5	1.961	358
34306	Draco.....	.	22 26.76	1.501	40 18 21.9	1.962	386
34307	Aquila	7	22 28.39	3.193	95 17 44.8	1.963	111
34308	Hercules	7½	22 29.36	2.545	68 28 14.5	1.965	236
34309	Sagittarius....	8	22 34.34	3.467	106 38 7.3	1.972	471
34310	Sagittarius....	8	22 34.47	3.552	109 55 11.5	1.972	172
34311	Sagittarius....	6½	22 36.46	3.626	112 41 3.2	1.975	173
34312	Aquila	9	22 37.60	3.214	96 10 57.7	1.977	235
34313	Aquila	6½	22 40.74	+3.234	97 2 43.3	1.982	235
34314	Draco.....	8	22 45.53	-0.581	20 1 46.8	1.989	359
34315	Serpens	8	22 47.40	+3.107	91 35 49.3	1.992	98
34316	Serpens	8½	22 49.91	2.853	80 46 27.1	1.995	87
34317	Lyra	8½	22 54.54	2.198	56 45 39.6	2.002	294
34318	Serpens	7½	22 57.16	2.975	85 55 14.2	2.005	92
34319	Serpens	6½	22 57.81	2.748	76 24 8.6	2.006	84
34320	Hercules	8½	18 22 59.16	+2.448	64 57 56.7	-2.008	104

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			h m s	s	° ' "	"	
34321	Lyra	7½	18 22 59.73	+1,677	43 42 3.3	-2,009	240
34322	Hercules	7½	23 4.61	2,509	67 8 49.9	2,017	101
34323	Lyra	7	23 6.14	2,222	57 29 20.0	2,018	20
34324	Lyra	8½	23 6.46	2,070	53 4 11.1	2,019	295
34325	Lyra	9	23 7.87	1,900	48 40 12.3	2,021	294
34326	Serpens	9	23 8.77	3,030	88 17 12.4	2,022	94
34327	Sagittarius....	8	23 9.60	3,419	104 42 32.6	2,023	298
34328	Lyra	7	23 10.76	1,794	46 11 46.3	2,025	10
34329	Serpens	7½	23 10.83	2,981	86 10 40.7	2,025	92
34330	Hercules	8	23 14.32	2,351	61 38 6.3	2,031	238
34331	Hercules	8	23 14.52	2,351	61 38 9.3	2,031	23
34332	Draco.....	8½	23 15.30	1,432	39 5 25.0	2,032	330
34333	Hercules	7½	23 16.70	2,538	68 13 41.0	2,034	236
34334	Hercules	8½	23 16.71	2,592	70 14 55.4	2,034	78
34335	Lyra	8	23 18.07	2,064	52 54 27.8	2,036	295
34336	Sagittarius....	7	23 24.99	3,580	110 58 54.2	2,046	172
34337	Serpens	8	23 26.19	3,029	88 13 54.1	2,047	94
34338	Sagittarius....	8½	23 31.11	3,422	104 50 40.2	2,055	298
34339	Sagittarius....	8	23 31.17	3,480	107 7 37.4	2,055	171
34340	Aquila	8	23 31.95	3,320	100 39 43.0	2,056	296
34341	Sagittarius....	7	23 32.40	3,480	107 7 35.1	2,057	471
34342	Lyra	8	23 34.11	+2,099	53 52 52.7	2,059	15
34343	Draco.....φ	5	23 36.52	-0,844	18 46 14.6	2,063	359
34344	Draco.....φ	4½	23 36.73	-0,845	18 46 14.1	2,063	360
34345	Aquila	8½	23 38.82	+3,185	94 57 13.3	2,065	111
34346	Serpens	•	23 39.37	2,746	76 19 3.1	2,066	84
34347	Hercules	8½	23 39.61	2,603	70 40 21.9	2,067	78
34348	Lyra	8	23 43.37	1,699	44 8 48.5	2,072	240
34349	Lyra	8	23 44.17	2,179	56 12 26.4	2,074	18
34350	Serpens	6	23 46.91	2,876	81 52 11.2	2,078	88
34351	Sagittarius....	7½	23 49.02	3,458	106 16 43.3	2,081	471
34352	Hercules	8	23 52.02	2,451	65 4 0.3	2,085	104
34353	Aquila	9	23 52.74	3,185	94 56 8.2	2,087	111
34354	Sagittarius....	7½	23 52.92	3,520	108 41 37.2	2,087	171
34355	Serpens	8½	23 53.83	2,860	81 2 48.1	2,088	87
34356	Aquila	5½	23 55.27	3,331	101 7 5.6	2,089	296
34357	Aquila	6	23 55.48	3,331	101 7 4.6	2,090	348
34358	Lyra	7½	23 56.64	2,189	56 29 59.0	2,092	294
34359	Sagittarius....	8½	23 57.11	3,422	104 49 50.9	2,092	298
34360	Lyra	7	18 23 57.80	+2,189	56 30 1.6	-2,093	18

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			h m s	s	° ' "	"	
34361	Draco.....	7½	18 23 58,16	+0,804	30 24 59,5	-2,094	356
34362	Sagittarius....	8	24 0,91	3,547	109 41 50,3	2,098	172
34363	Lyra	8½	24 2,19	2,141	55 5 16,6	2,100	15
34364	Serpens	9	24 2,25	3,089	90 48 52,4	2,100	96
34365	Lyra	7	24 2,39	1,794	46 11 40,7	2,100	10
34366	Draco.....	9	24 3,58	0,100	24 51 59,6	2,102	362
34367	Draco.....	8½	24 6,11	1,378	38 10 52,3	2,106	357
34368	Draco.....	8	24 6,17	1,379	38 10 53,9	2,106	330
34369	Hercules	7½	24 7,64	2,505	67 0 14,3	2,108	101
34370	Lyra	•	24 7,96	1,920	49 9 21,0	2,108	12
34371	Lyra	7	24 8,37	1,920	49 9 23,4	2,109	237
34372	Lyra	7	24 8,68	1,920	49 9 17,4	2,110	294
34373	Lyra	•	24 19,40	1,940	49 38 27,3	2,124	12
34374	Aquila	4½	24 19,40	3,265	98 22 16,7	2,124	100
34375	Aquila	4	24 19,70	3,265	98 22 10,8	2,125	474
34376	Lyra	8	24 19,83	1,940	49 38 28,2	2,125	294
34377	Draco.....	8	24 20,75	0,254	25 16 54,3	2,126	363
34378	Sagittarius....	8½	24 23,11	3,731	116 26 7,4	2,130	567
34379	Serpens	8½	24 23,89	2,852	80 41 52,2	2,131	87
34380	Sagittarius....	7½	24 24,23	3,796	118 39 12,9	2,132	568
34381	Serpens	10	24 25,73	3,087	90 46 3,0	2,134	96
34382	Hercules	5½	24 26,99	2,492	66 31 18,5	2,136	101
34383	Serpens	9	24 28,73	3,025	88 3 30,2	2,139	94
34384	Serpens	7½	24 29,37	2,984	86 18 29,3	2,140	92
34385	Lyra	8½	24 30,23	2,181	56 14 59,7	2,141	294
34386	Hercules	7	24 30,32	2,617	71 13 8,4	2,141	80
34387	Lyra	8	24 31,78	2,181	56 15 0,0	2,143	18
34388	Lyra	7	24 34,45	1,915	49 1 48,1	2,147	237
34389	Lyra	7	24 34,71	1,915	49 1 42,3	2,148	294
34390	Lyra	•	24 34,98	1,915	49 1 42,6	2,148	12
34391	Serpens	7½	24 35,06	+3,000	87 0 20,5	2,148	92
34392	Draco χ	4½	24 36,23	-1,185	17 21 17,5	2,150	360
34393	Draco χ	4	24 37,00	1,185	17 21 18,7	2,151	359
34394	Draco χ	4½	24 37,46	-1,184	17 21 24,7	2,152	360
34395	Sagittarius....	7½	24 39,09	+3,406	104 12 47,9	2,154	298
34396	Serpens	8½	24 42,65	2,830	79 46 40,5	2,159	87
34397	Hercules	8	24 44,18	2,629	71 39 53,0	2,161	80
34398	Hercules	8	24 45,53	2,564	69 9 46,2	2,163	78
34399	Sagittarius....	8	24 45,86	3,539	109 27 37,2	2,163	172
34400	Serpens	7½	18 24 46,43	+2,922	83 40 58,7	-2,165	90

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			h m s	s	° ' "	"	
34401	Sagittarius....	7½	18 24 47,64	+3,526	108° 55' 58,4	-2,166	171
34402	Sagittarius....	8	24 48,50	3,712	115 48 18,3	2,168	567
34403	Aquila	8	24 52,55	3,401	103 58 56,8	2,174	298
34404	Serpens	8	24 53,49	3,072	90 6 4,3	2,175	96
34405	Lyra	8	24 56,36	1,812	46 34 50,5	2,179	10
34406	Serpens	9	24 56,44	2,814	79 7 40,8	2,179	85
34407	Serpens	9	24 56,63	2,827	79 38 43,2	2,180	87
34408	Draco.....	7	24 57,37	0,822	30 35 48,8	2,181	356
34409	Aquila	8	24 57,43	3,397	103 51 1,3	2,181	298
34410	Draco.....	8½	24 59,50	0,134	24 21 52,3	2,184	362
34411	Hercules	8½	25 0,32	2,700	74 26 37,1	2,185	82
34412	Lyra	7½	25 1,05	2,057	52 42 38,8	2,186	295
34413	Aquila	9	25 1,48	3,329	101 1 34,1	2,186	349
34414	Aquila	9	25 1,48	3,329	101 1 34,0	2,186	296
34415	Lyra	8	25 4,43	1,938	49 36 4,9	2,191	12
34416	Lyra	8½	25 5,00	1,945	49 46 2,7	2,192	294
34417	Serpens .....	.	25 6,91	2,730	75 40 27,3	2,194	84
34418	Hercules	5	25 10,97	2,287	59 30 11,5	2,200	21
34419	Hercules	5	25 11,68	2,289	59 35 23,9	2,201	20
34420	Sagittarius....	7	25 17,08	3,453	106 5 35,1	2,209	471
34421	Lyra	8	25 17,24	2,094	53 42 56,5	2,209	15
34422	Aquila	8½	25 18,95	3,355	102 7 36,6	2,211	349
34423	Aquila	6½	25 22,04	3,230	96 53 21,0	2,216	235
34424	Serpens	6½	25 22,92	2,817	79 15 6,7	2,217	85
34425	Draco.....	9	25 24,19	0,161	24 33 34,0	2,219	362
34426	Draco.....	5	25 24,55	0,161	24 33 35,6	2,219	363
34427	Hercules	9	25 25,38	2,541	68 18 49,3	2,221	236
34428	Sagittarius....	8½	25 25,38	3,542	109 33 20,8	2,221	172
34429	Sagittarius....	6	25 28,71	3,597	111 38 56,6	2,225	173
34430	Hercules	8	25 32,00	2,711	74 54 51,5	2,230	82
34431	Hercules	7	25 35,06	2,624	71 27 6,3	2,235	80
34432	Lyra .....	.	25 37,38	1,792	46 7 9,7	2,239	10
34433	Sagittarius....	8	25 39,38	3,542	109 34 36,7	2,241	172
34434	Sagittarius....	8½	25 41,13	3,649	113 33 5,2	2,244	566
34435	Lyra	8½	25 42,44	1,746	45 6 23,7	2,246	240
34436	Hercules	6½	25 43,34	2,578	69 40 44,3	2,247	78
34437	Serpens	8	25 43,62	2,939	84 22 43,5	2,247	90
34438	Serpens	6½	25 43,88	2,958	85 12 33,5	2,248	92
34439	Serpens	7½	25 45,72	2,724	75 24 52,5	2,250	84
34440	Hercules	6	18 25 47,08	+2,279	59 15 1,1	-2,252	20

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34441	Aquila	9	18 25 47.99	+3,181	94 47 30.9	-2,253	111
34442	Aquila	8	25 50.75	3,179	94 42 48.7	2,257	111
34443	Sagittarius....	9	25 54.58	3,706	115 34 28.1	2,263	567
34444	Sagittarius....	8	25 56.21	3,594	111 32 56.5	2,266	173
34445	Sagittarius....	9	25 58.01	3,223	96 34 20.8	2,268	238
34446	Hercules	8	25 59.77	2,559	68 58 4.9	2,271	236
34447	Draco.....	9	26 0.83	0,741	29 42 30.9	2,272	356
34448	Sagittarius....	•	26 2.92	3,547	109 45 20.9	2,275	172
34449	Serpens	8	26 3.50	2,715	75 2 29.4	2,276	82
34450	Lyra	7	26 4.77	1,701	44 9 4.6	2,278	240
34451	Lyra	9	26 13.39	1,786	46 3 36.2	2,291	10
34452	Sagittarius....	7½	26 14.53	3,486	107 23 10.1	2,292	171
34453	Hercules	7½	26 15.01	2,359	61 50 59.4	2,293	238
34454	Hercules	8	26 15.09	2,359	61 51 6.3	2,293	23
34455	Lyra	8	26 15.91	2,159	55 34 41.2	2,294	18
34456	Hercules	7½	26 16.33	2,551	68 40 9.5	2,295	236
34457	Aquila	9	26 17.45	3,372	102 50 7.3	2,296	349
34458	Sagittarius....	8	26 18.32	3,641	113 15 30.0	2,297	566
34459	Hercules	8½	26 18.93	2,541	68 18 45.6	2,298	236
34460	Aquila	7	26 20.72	3,364	102 29 56.9	2,301	349
34461	Sagittarius....	7	26 20.90	3,652	113 39 36.6	2,301	566
34462	Hercules	8½	26 23.16	2,496	66 39 36.7	2,304	101
34463	Hercules	5½	26 24.46	2,637	71 56 40.6	2,306	80
34464	Aquila	8	26 26.43	3,181	94 46 9.5	2,310	111
34465	Hercules	7½	26 35.01	2,315	60 23 59.5	2,321	21
34466	Sagittarius....	8½	26 36.65	3,786	118 20 20.6	2,324	568
34467	Aquila	7½	26 36.86	3,392	103 37 47.8	2,325	298
34468	Serpens	7	26 37.09	2,958	85 11 42.0	2,325	92
34469	Serpens	6½	26 37.23	+2,958	85 11 43.6	2,325	90
34470	Draco.....	9	26 37.38	-3,976	10 40 34.5	2,325	365
34471*	Draco.....	9	26 38.15	-1,542	16 4 6.2	2,326	359
34472	Lyra	7	26 38.19	+1,712	44 22 10.7	2,326	240
34473	Serpens	8	26 39.12	2,951	84 52 40.0	2,328	90
34474	Lyra	6½	26 39.40	1,940	49 36 43.9	2,328	12
34475	Lyra	6½	26 42.85	1,955	49 59 16.2	2,333	12
34476	Sagittarius....	7	26 43.93	+3,405	104 9 38.3	2,334	298
34477	Draco.....	8	26 47.38	-2,684	12 59 55.4	2,340	361
34478	Serpens	8	26 48.41	+2,809	78 54 26.5	2,341	85
34479	Draco.....	8½	26 48.55	-2,684	12 59 54.6	2,341	360
34480	Lyra	7½	18 26 49.39	+1,790	46 3 35.8	-2,343	10

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34481	Draco.....	8½	18	26	50.52	+1,500	40	14	33.7	-2,344	358
34482	Aquila	8½		26	52.41	3,244	97	29	14.6	2,347	100
34483	Sagittarius....	7½		26	53.93	3,644	113	20	25.0	2,349	566
34484	Lyra	7½		26	54.91	2,164	55	41	57.2	2,351	294
34485	Lyra	7		26	55.29	2,164	55	41	53.9	2,351	18
34486	Serpens	5		26	56.28	2,918	83	28	19.5	2,353	88
34487	Lyra	6½		26	57.96	1,697	44	3	5.3	2,355	240
34488	Sagittarius....	8		26	58.02	3,585	111	12	6.9	2,355	173
34489	Serpens	7½		26	59.21	3,051	89	12	20.3	2,357	96
34490	Sagittarius....	7½		27	4.77	3,462	106	28	16.4	2,364	300
34491	Aquila	8½		27	4.82	3,232	96	57	11.6	2,364	235
34492	Aquila	7½		27	8.35	3,185	94	57	29.7	2,370	111
34493	Hercules	8		27	8.75	2,486	66	16	46.8	2,374	101
34494	Hercules	5½		27	11.20	2,494	66	32	43.1	2,374	101
34495	Serpens	8½		27	11.44	3,004	87	10	39.9	2,374	94
34496	Lyra	8		27	13.40	2,165	55	44	38.2	2,378	294
34497	Lyra	7		27	14.06	2,165	55	44	43.8	2,378	18
34498	Aquila	9		27	14.81	3,231	96	56	23.6	2,379	235
34499	Serpens	6		27	19.37	3,080	90	27	53.9	2,385	96
34500	Serpens .....	.		27	22.55	3,012	87	31	34.6	2,391	94
34501	Serpens	7		27	22.61	2,718	75	9	59.2	2,391	84
34502	Serpens	8		27	23.99	2,719	75	13	12.0	2,393	82
34503	Lyra	7		27	24.80	2,022	51	42	47.4	2,394	295
34504	Sagittarius....	8½		27	28.39	3,610	112	7	33.2	2,399	173
34505	Serpens	6½		27	30.28	3,133	92	44	49.8	2,402	98
34506	Hercules	8		27	31.77	2,517	67	23	54.5	2,404	236
34507	Aquila .....	.		27	33.55	3,399	103	56	19.0	2,406	298
34508	Aquila	8½		27	34.04	3,357	102	12	38.6	2,407	349
34509	Lyra	8		27	35.58	2,117	54	20	41.7	2,409	15
34510	Hercules	8½		27	36.07	2,444	64	47	4.1	2,410	104
34511	Draco.....	8		27	36.85	1,372	38	1	41.0	2,411	357
34512	Sagittarius....	8½		27	36.99	3,430	105	12	8.6	2,412	300
34513	Draco.....	7		27	37.09	1,372	38	1	44.7	2,412	330
34514	Lyra	9		27	37.38	1,907	48	47	54.8	2,412	237
34515	Hercules	7		27	39.98	2,707	74	42	30.1	2,415	82
34516	Serpens	8		27	40.16	3,082	90	32	33.9	2,416	96
34517	Hercules	8		27	41.22	2,590	70	8	50.0	2,417	78
34518	Serpens	8		27	45.19	2,951	84	53	39.4	2,423	90
34519	Hercules	8½		27	46.84	3,392	62	56	30.0	2,425	238
34520	Hercules	9	18	27	47.22	+2,392	62	56	32.8	-2,426	23

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34521	Hercules	8½	18 27 50,15	+2,432	64 26 51,6	-2,431	104
34522	Serpens	6½	27 50,69	2,805	78 43 58,7	2,431	85
34523	Serpens	8	27 53,82	2,857	80 54 6,7	2,435	87
34524	Aquila	7	27 54,09	3,147	93 21 21,2	2,436	111
34525	Serpens	7	27 58,47	+2,807	78 47 57,7	2,442	85
34526	Draco.....	9	27 58,95	-0,636	19 42 29,8	2,443	359
34527	Serpens	6½	27 59,79	+3,099	91 16 23,9	2,444	96
34528	Lyra	6	27 59,90	2,164	55 41 41,9	2,444	294
34529	Lyra	6	28 0,26	2,164	55 41 46,3	2,445	18
34530	Hercules	8½	28 2,20	+2,642	72 7 30,8	2,447	80
34531	Draco.....	9	28 2,49	-3,733	11 2 28,5	2,448	361
34532	Sagittarius....	9	28 5,57	+3,628	112 49 40,3	2,453	173
34533	Hercules	8½	28 6,18	+2,634	71 49 9,4	2,454	80
34534	Draco.....	8½	28 6,55	-2,037	14 34 12,4	2,454	360
34535	Lyra	6½	28 8,93	+1,692	43 55 56,7	2,458	240
34536	Hercules	6	28 9,87	2,535	68 2 51,0	2,459	236
34537	Serpens .....	.	28 10,21	2,887	82 9 31,6	2,460	88
34538	Hercules ....	.	28 10,92	+2,688	73 57 43,7	2,460	82
34539	Draco.....	9	28 11,47	-3,732	11 2 30,8	2,461	365
34540	Aquila	8	28 14,62	+3,362	102 24 34,3	2,466	349
34541	Draco.....	9½	28 17,81	1,356	37 45 18,2	2,471	330
34542	Lyra	8½	28 18,80	1,899	48 34 47,6	2,472	294
34543	Lyra	8½	28 19,12	1,899	48 34 49,3	2,473	237
34544	Serpens	9	28 22,48	2,885	82 4 31,2	2,477	88
34545	Serpens	8½	28 25,50	2,958	85 11 39,0	2,481	92
34546	Lyra	7½	28 25,78	1,981	50 37 22,7	2,482	12
34547	Sagittarius....	9	28 27,91	3,788	118 25 26,2	2,485	568
34548	Serpens	9	28 32,44	2,856	80 51 10,4	2,492	87
34549	Sagittarius....	8	28 33,35	3,430	105 12 12,0	2,493	471
34550	Hercules	7	28 37,26	2,288	59 29 28,4	2,499	21
34551	Lyra .....	.	28 39,37	2,005	51 15 35,9	2,502	13
34552	Lyra .....	.	28 39,69	2,005	51 15 35,1	2,502	12
34553	Lyra	7	28 40,16	2,005	51 15 34,7	2,502	295
34554	Lyra .....	.	28 40,28	2,005	51 15 34,7	2,503	10
34555	Hercules	8	28 46,63	2,623	71 24 44,4	2,513	80
34556	Serpens	7	28 47,53	2,961	85 18 16,1	2,514	92
34557	Aquila	9½	28 48,08	3,147	93 18 51,7	2,514	111
34558	Hercules	8	28 54,21	2,295	59 42 51,4	2,523	21
34559	Lyra	7½	28 54,30	1,899	48 34 36,3	2,523	294
34560	Lyra	7½	18 28 54,42	+1,899	48 34 43,0	-2,523	237

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34561	Aquila	8	18 28 54.98	+3.071	90 3 28.2	-2.524	96
34562	Hercules	7½	18 56.18	2.471	65 43 7.0	2.525	101
34563	Draco.....	8	28 57.57	0.230	25 2 37.5	2.528	362
34564	Serpens	8½	28 59.90	2.738	75 57 37.6	2.531	84
34565	Hercules	7½	29 1.18	2.632	71 43 13.8	2.533	80
34566	Draco	4½	29 6.31	+1.035	33 6 12.4	2.541	355
34567	Draco.....	9½	29 7.39	-3.664	11 8 38.7	2.541	361
34568	Serpens	7½	29 9.05	+2.928	83 53 33.9	2.544	90
34569	Aquila	6	29 9.60	3.255	97 57 21.9	2.546	100
34570	Lyra .....	.	29 10.83	2.077	53 11 20.6	2.548	15
34571	Serpens	7½	29 14.71	2.738	75 46 51.2	2.553	84
34572	Sagittarius....	9½	29 15.70	3.764	117 36 51.0	2.555	568
34573	Lyra	6	29 16.27	2.198	56 41 23.7	2.555	294
34574	Aquila	9½	29 16.84	3.146	93 17 5.3	2.556	111
34575	Lyra	5½	29 17.29	2.198	56 41 25.5	2.556	19
34576	Lyra	5	29 17.41	+2.198	56 41 25.6	2.557	20
34577	Draco.....	8½	29 19.01	-2.147	14 16 1.0	2.560	360
34578	Hercules .....	.	29 20.20	+2.714	74 59 52.6	2.561	82
34579	Draco.....	9	29 20.92	1.360	37 47 56.9	2.562	330
34580	Draco.....	6	29 23.86	1.360	37 47 56.9	2.566	330
34581	Lyra .....	.	29 23.93	2.038	52 7 27.4	2.566	13
34582	Aquila	9	29 24.52	3.208	95 56 12.8	2.566	235
34583	Aquila	8	29 26.48	3.070	90 1 3.8	2.569	96
34584	Aquila	8	29 29.05	3.103	91 27 22.6	2.573	98
34585	Hercules	7	29 30.50	2.716	75 4 50.7	2.575	82
34586	Sagittarius....	8	29 35.11	3.675	114 31 34.6	2.582	566
34587	Sagittarius....	7	29 39.27	3.660	114 0 0.6	2.588	566
34588	Serpens	8	29 42.57	2.815	79 8 15.8	2.593	87
34589	Sagittarius....	9	29 44.20	3.481	107 14 47.6	2.595	171
34590	Serpens	6½	29 46.19	2.951	84 54 5.4	2.598	90
34591	Serpens .....	.	29 46.40	2.951	84 54 11.8	2.598	92
34592	Lyra	7½	29 48.03	1.912	48 53 1.0	2.601	237
34593	Lyra	8	29 49.03	1.912	48 52 50.3	2.602	294
34594	Aquila	8	29 50.81	3.206	95 52 34.5	2.605	235
34595	Serpens	8½	29 55.80	3.044	88 52 41.3	2.612	94
34596	Serpens	7	30 5.52	2.874	81 26 11.2	2.626	■
34597	Hercules	7½	30 8.69	2.351	61 32 2.6	2.631	238
34598	Lyra	1	30 9.52	2.011	51 23 39.2	2.632	237
34599	Lyra	1	30 9.52	2.011	51 23 41.9	2.632	10
34600	Lyra	1	18 30 9.64	+2.011	51 23 40.0	-2.632	297

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34601	Lyra α	1	18 30 9,81	+2,011	51 23 42,4	-2,632	12
34602	Lyra α	1	30 9,89	2,011	51 23 36,0	2,632	240
34603	Lyra α	1	30 10,02	2,011	51 23 42,1	2,632	13
34604	Lyra α	1	30 10,06	2,011	51 23 36,3	2,632	295
34605	Lyra α	1	30 10,07	2,011	51 23 38,2	2,632	15
34606	Lyra α	1	30 10,10	2,011	51 23 40,0	2,632	20
34607	Lyra α	1	30 10,49	2,011	51 23 37,8	2,633	294
34608	Lyra α	1	30 10,77	2,011	51 23 42,9	2,634	19
34609	Lyra α	1	30 10,97	2,011	51 23 40,0	2,634	473
34610	Lyra α	1	30 11,31	+2,011	51 23 38,3	2,634	294
34611	Draco.....	9	30 15,97	-1,075	17 44 8,2	2,641	360
34612	Hercules	8	30 16,05	+2,449	64 53 49,9	2,642	104
34613	Aquila	9	30 16,89	3,144	93 11 34,7	2,642	111
34614	Hercules	8	30 18,66	2,625	71 27 58,7	2,645	80
34615	Hercules	8	30 26,91	2,466	65 31 5,2	2,657	101
34616	Serpens	8½	30 29,29	+3,011	87 29 13,0	2,661	94
34617	Draco.....	9½	30 31,16	-4,892	9 27 9,5	2,663	365
34618	Hercules	9	30 31,81	+2,349	61 28 5,4	2,665	238
34619	Sagittarius....	7½	30 32,87	3,543	110 29 18,6	2,666	172
34620	Hercules	8	30 33,83	2,476	65 51 37,5	2,668	101
34621	Sagittarius....	8	30 34,38	3,480	107 11 6,9	2,668	171
34622	Aquila	8½	30 35,19	3,050	89 8 6,3	2,669	96
34623	Draco.....	7	30 37,73	+0,190	24 43 5,6	2,673	362
34624	Draco.....	9½	30 38,36	-2,023	14 35 18,2	2,674	360
34625	Hercules	8	30 38,55	+2,579	69 40 13,7	2,675	93
34626	Hercules :...	8	30 44,78	2,567	69 14 11,2	2,683	93
34627	Sagittarius....	8	30 45,16	3,664	114 8 48,4	2,683	566
34628	Serpens .....	.	30 45,50	2,717	75 4 53,1	2,684	82
34629	Sagittarius....	8½	30 46,56	3,451	106 1 59,3	2,685	300
34630	Serpens	9	30 47,27	2,847	80 28 23,5	2,686	87
34631	Hercules	9	30 48,17	2,628	71 34 43,6	2,687	80
34632	Serpens	6½	30 48,81	2,867	81 18 8,6	2,689	88
34633	Serpens	8	30 51,27	2,847	80 28 23,4	2,693	87
34634	Serpens	8	30 51,40	2,740	76 0 43,7	2,693	84
34635	Sagittarius....	9	30 58,08	3,452	106 5 3,9	2,702	300
34636	Serpens	7	30 59,96	2,791	78 7 1,0	2,705	85
34637	Hercules	7	31 2,69	2,654	72 34 4,9	2,709	80
34638	Aquila	8	31 4,44	3,146	93 17 34,5	2,711	111
34639	Aquila	7	31 4,45	3,146	93 17 35,3	2,711	98
34640	Lyra	8	18 31 5,88	+2,061	52 43 52,9	-2,713	13

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34641	Draco.....	9½	18 31 6,66	-4,830	9 31 20,1	-2,714	365
34642	Serpens	7	31 9,36	+2,759	76 47 58,8	2,718	84
34643	Serpens	6½	31 11,41	2,869	81 22 58,6	2,721	88
34644	Sagittarius....	7½	31 11,81	3,442	105 42 2,3	2,722	300
34645	Aquila	8	31 14,65	3,061	89 36 36,1	2,727	96
34646	Draco.....	9½	31 17,83	0,200	24 46 58,1	2,731	362
34647	Aquila	7	31 19,43	3,285	99 13 47,1	2,733	296
34648	Aquila	6	31 19,50	3,285	99 13 45,0	2,733	100
34649	Draco.....	8	31 21,10	1,562	41 18 36,4	2,736	386
34650	Aquila	9	31 21,49	3,334	101 17 22,4	2,736	349
34651	Lyra	8	31 22,74	2,111	54 6 48,1	2,737	15
34652	Serpens	9	31 23,77	2,847	80 28 50,2	2,739	87
34653	Serpens	7½	31 25,64	2,968	85 37 0,3	2,743	92
34654	Lyra	6	31 30,28	1,978	50 30 1,7	2,749	12
34655	Hercules	8	31 31,14	2,411	63 34 53,8	2,750	104
34656	Serpens	7½	31 31,51	2,787	77 56 55,4	2,750	85
34657	Hercules	9	31 32,62	2,423	63 58 57,2	2,752	104
34658	Sagittarius....	8	31 36,70	3,581	111 6 1,9	2,758	172
34659	Sagittarius....	8	31 36,96	3,581	111 5 59,3	2,758	173
34660	Hercules	8	31 38,66	2,465	65 28 15,5	2,762	101
34661	Aquila	8	31 48,31	3,097	91 9 50,3	2,775	96
34662	Lyra	9	31 48,84	1,552	41 6 54,8	2,776	386
34663	Aquila	7½	31 49,25	3,097	91 9 50,8	2,776	98
34664	Aquila	6	31 49,43	3,238	97 15 7,0	2,776	235
34665	Serpens	7½	31 50,01	2,787	77 57 50,3	2,777	85
34666	Hercules	8	31 51,00	2,457	65 9 51,0	2,779	101
34667	Draco.....	7½	31 51,51	1,330	37 17 22,7	2,780	330
34668	Sagittarius....	8½	31 52,22	3,474	106 58 9,0	2,781	300
34669	Lyra	8	31 52,25	1,987	50 44 12,7	2,781	12
34670	Lyra	7½	31 55,51	1,699	44 1 10,2	2,786	240
34671	Aquila	9	31 57,37	3,236	97 8 22,7	2,788	235
34672	Aquila	7½	32 8,86	3,104	91 29 9,4	2,805	98
34673	Serpens	8	32 9,62	2,980	86 8 36,0	2,805	92
34674	Serpens	7	32 10,31	2,787	77 56 23,1	2,806	85
34675	Hercules	7	32 16,03	2,425	64 2 41,0	2,815	104
34676	Serpens	8	32 16,12	2,768	77 11 7,9	2,815	84
34677	Sagittarius....	8	32 16,75	3,476	107 2 32,4	2,816	300
34678	Aquila	9	32 22,88	3,236	97 9 37,7	2,825	235
34679	Aquila	7	32 23,68	3,339	101 30 59,1	2,826	349
34680	Lyra	6	18 32 24,24	+2,284	59 19 39,0	-2,827	21

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34681	Aquila	9	18 32 24,61	+3,233	97 1 10,1	-2,828	235
34682	Lyra	7	32 24,91	2,284	59 19 40,2	2,828	20
34683	Aquila	9	32 30,02	3,343	101 40 45,7	2,835	349
34684	Serpens	7½	32 31,51	2,786	77 55 20,0	2,837	85
34685	Sagittarius....	6	32 31,81	3,692	115 11 37,4	2,838	566
34686	Sagittarius....	7	32 31,87	3,693	115 11 48,3	2,838	567
34687	Aquila	5½	32 37,20	3,267	98 27 33,9	2,845	100
34688	Lyra	8	32 40,08	2,060	52 39 25,5	2,849	297
34689	Aquila	•	32 40,24	3,269	98 33 6,2	2,849	100
34690	Sagittarius....	8	32 42,10	3,582	111 9 24,9	2,852	172
34691	Sagittarius....	8	32 42,48	3,582	111 9 30,5	2,853	173
34692	Hercules	8	32 45,82	2,647	72 17 10,5	2,859	80
34693	Hercules	•	32 46,23	2,652	72 29 43,8	2,859	80
34694	Hercules	7½	32 46,45	2,462	65 21 10,9	2,859	101
34695	Aquila	8	32 48,38	3,148	93 22 24,9	2,862	111
34696	Serpens	8½	32 49,27	2,839	80 6 58,8	2,863	87
34697	Sagittarius....	7	32 53,12	3,583	111 11 25,0	2,869	172
34698	Lyra	8	32 53,48	2,042	52 11 5,0	2,869	297
34699	Aquila	8½	32 53,82	3,096	91 8 0,7	2,869	96
34700	Lyra	7	32 53,92	2,042	52 11 6,2	2,869	13
34701	Aquila	7½	32 55,47	+3,112	91 49 42,8	2,872	98
34702	Draco.....	9	32 56,12	-1,434	16 22 42,2	2,873	359
34703	Aquila	9	32 57,11	+3,311	100 20 24,7	2,874	296
34704	Serpens	7½	32 57,78	2,942	84 29 28,1	2,876	90
34705	Lyra	8	32 57,81	2,260	58 32 5,2	2,876	20
34706	Lyra	7½	33 0,91	2,193	56 29 16,4	2,880	294
34707	Lyra	8	33 1,71	2,193	56 29 20,1	2,880	19
34708	Draco.....	7½	33 3,14	1,389	38 13 30,2	2,883	330
34709	Aquila	6½	33 4,83	3,232	97 14 6,9	2,885	235
34710	Lyra	7	33 6,14	1,929	49 14 27,0	2,887	237
34711	Lyra	7	33 6,68	1,929	49 14 24,7	2,888	294
34712	Hercules	9	33 7,61	2,418	63 47 46,2	2,890	104
34713	Sagittarius.. φ	4	33 9,24	3,749	117 10 51,2	2,892	568
34714	Sagittarius.. φ	4	33 9,36	3,749	117 10 51,7	2,892	567
34715	Aquila	7	33 14,92	+3,110	91 44 34,5	2,900	98
34716	Draco.....	9	33 18,63	-3,706	11 3 0,0	2,905	361
34717	Sagittarius....	6	33 22,60	+3,583	111 11 24,4	2,911	173
34718	Sagittarius....	8	33 22,81	3,573	110 50 11,2	2,912	172
34719	Hercules	9	33 24,01	2,374	62 15 12,3	2,914	238
34720	Serpens	8	18 33 24,30	+2,905	82 54 38,2	-2,914	11

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34721	Lyra	6½	18 33 24.45	+2,029	51 48 38.4	-2,914	297
34722	Lyra	6	33 25.20	2,029	51 48 37.5	2,915	13
34723	Serpens	7½	33 28.90	2,986	86 23 50.8	2,920	92
34724	Sagittarius....	7½	33 31.22	3,766	117 41 32.9	2,923	568
34725	Hercules	6½	33 33.51	2,715	74 58 56.4	2,927	82
34726	Aquila	9	33 35.43	3,318	100 37 50.6	2,929	296
34727	Aquila	8½	33 36.44	3,322	100 48 0.1	2,931	296
34728	Aquila	8	33 37.60	3,079	90 24 42.7	2,933	96
34729	Sagittarius....	9	33 38.28	3,441	105 40 21.7	2,934	300
34730	Serpens	7	33 39.52	2,724	75 20 33.9	2,936	82
34731	Serpens	7	33 42.11	2,755	76 36 59.2	2,941	84
34732	Draco.....	8½	33 43.45	0,071	23 48 22.1	2,941	362
34733	Hercules	7½	33 44.53	2,647	72 17 55.1	2,943	80
34734	Aquila	8	33 45.58	3,239	97 17 31.5	2,944	100
34735	Sagittarius....	9	33 45.67	3,759	117 32 8.1	2,944	568
34736	Hercules	8½	33 48.00	2,457	65 9 3.0	2,947	101
34737	Serpens	8	33 48.04	+2,841	80 12 32.5	2,947	87
34738	Draco.....	8	33 48.40	-2,857	12 34 50.9	2,948	360
34739	Hercules	8	33 48.65	+2,457	65 9 0.2	2,948	104
34740	Aquila	7½	33 50.94	3,110	91 44 31.1	2,952	98
34741	Serpens	8	33 53.07	2,943	84 32 7.7	2,955	90
34742	Serpens	8½	33 53.07	3,013	87 33 48.5	2,955	94
34743	Hercules	8½	33 53.68	2,489	66 18 39.3	2,956	101
34744	Lyra	9	33 54.17	1,697	43 56 25.4	2,957	240
34745	Aquila	7½	33 55.97	3,342	101 38 30.4	2,959	349
34746	Aquila	7	33 56.25	3,237	97 13 28.8	2,959	235
34747	Serpens	8	33 56.91	2,941	84 26 53.4	2,961	90
34748	Lyra	8	33 58.30	1,840	47 5 43.4	2,963	10
34749	Sagittarius....	7½	33 58.68	3,493	107 44 9.1	2,963	171
34750	Hercules	9	33 58.94	2,654	72 32 15.3	2,964	80
34751	Aquila	9	33 59.78	3,228	96 49 36.1	2,965	235
34752	Aquila	9	34 1.13	3,147	93 20 31.3	2,967	111
34753	Aquila	9	34 6.42	3,370	102 46 35.0	2,975	349
34754	Lyra	6½	34 8.58	2,261	58 33 55.5	2,977	20
34755	Sagittarius....	7	34 12.66	3,546	109 47 59.0	2,984	172
34756	Lyra	8	34 13.30	+1,839	47 3 12.2	2,985	10
34757	Draco.....	9½	34 15.20	-0,528	20 12 24.8	2,986	359
34758	Serpens	8½	34 15.49	+2,958	85 11 2.0	2,987	92
34759	Serpens	7	34 16.03	2,873	81 33 42.3	2,988	88
34760	Hercules	8	18 34 16.21	+2,643	72 6 27.4	-2,988	80

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34761	Sagittarius....	6	18 34 16,55	+3,620	112 35 11,8	-2,988	173
34762	Draco.....	7	34 18,10	1,367	37 49 57,5	2,991	330
34763	Serpens .....	.	34 19,02	2,960	85 15 40,2	2,992	92
34764	Aquila	8	34 19,78	3,370	102 46 44,0	2,993	349
34765	Lyra	7½	34 22,88	2,180	56 5 0,5	2,998	294
34766	Lyra	8	34 24,25	2,181	56 5 6,8	3,000	19
34767	Hercules	7	34 26,75	2,658	72 41 28,1	3,004	80
34768	Hercules	9	34 27,82	2,609	70 48 28,2	3,005	93
34769	Hercules	8	34 29,64	2,368	62 3 42,0	3,008	23
34770	Hercules	8	34 29,88	2,368	62 3 34,6	3,008	238
34771	Aquila	8	34 31,31	3,031	88 18 53,8	3,010	94
34772	Hercules	7	34 32,28	2,607	70 43 17,1	3,012	93
34773	Aquila	8½	34 32,70	3,025	88 3 58,2	3,012	94
34774	Lyra	8	34 34,79	1,846	47 13 9,0	3,015	10
34775	Hercules	7½	34 34,91	2,552	68 37 43,4	3,015	236
34776	Serpens	9	34 36,82	2,855	80 46 41,0	3,018	87
34777	Serpens	7½	34 37,52	2,789	78 1 8,0	3,019	85
34778	Hercules	8½	34 38,94	2,558	68 50 58,7	3,021	236
34779	Aquila	7	34 39,37	3,083	90 33 51,7	3,022	96
34780	Lyra	8	34 40,95	1,890	48 15 59,5	3,024	237
34781	Lyra	8	34 41,38	1,890	48 15 52,2	3,025	294
34782	Aquila	5½	34 44,25	3,026	88 7 48,3	3,029	94
34783	Lyra	9	34 44,28	1,705	44 5 9,3	3,029	240
34784	Aquila	7	34 47,43	3,318	100 39 10,6	3,033	296
34785	Serpens	8	34 51,00	2,797	78 21 4,4	3,039	85
34786	Aquila	8	34 52,25	3,181	94 47 32,5	3,040	111
34787	Sagittarius....	9	34 54,80	3,617	112 29 23,6	3,045	173
34788	Lyra	7	34 55,52	2,159	55 26 20,6	3,045	294
34789	Hercules	9	34 55,62	2,446	64 43 15,2	3,045	104
34790	Lyra	9	34 55,73	2,159	55 26 23,9	3,045	19
34791	Aquila	8	34 57,10	3,149	93 25 26,1	3,047	111
34792	Lyra	9	34 57,52	2,159	55 26 20,6	3,048	294
34793	Lyra	7	34 58,23	2,162	55 31 22,0	3,049	19
34794	Hercules	8	34 58,65	2,363	61 53 2,3	3,049	238
34795	Hercules	9	34 58,79	2,369	62 4 48,7	3,050	23
34796	Serpens	8	34 59,01	2,889	82 12 51,2	3,050	88
34797	Lyra	8	34 59,24	2,090	53 26 45,3	3,051	15
34798	Aquila	8	34 59,92	3,314	100 29 4,7	3,052	296
34799	Hercules	8	35 1,55	2,511	67 4 36,5	3,054	101
34800	Hercules	8	18 35 3,16	+2,501	66 43 36,1	-3,056	101

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34801	Lyra	8	18 35 6.45	+2,166	55 37 51.8	-3,061	294
34802	Draco.....	9	35 8.00	-1,231	17 4 50.9	3,063	360
34803	Lyra	8	35 9.88	+1,912	48 47 38.6	3,066	294
34804	Lyra	9	35 10.25	1,913	48 47 45.8	3,066	237
34805	Lyra	6½	35 11.93	+1,930	49 14 22.2	3,069	12
34806	Draco.....	9	35 13.27	-3,748	10 58 14.2	3,070	361
34807	Serpens	8½	35 14.84	+2,793	78 11 10.5	3,073	170
34808	Draco.....	8	35 16.85	1,377	37 59 12.3	3,076	330
34809	Lyra	7½	35 19.45	2,097	53 38 2.7	3,080	297
34810	Lyra	7	35 19.89	2,097	53 38 8.3	3,080	15
34811	Aquila	9	35 21.42	3,315	100 31 32.9	3,082	296
34812	Sagittarius....	7	35 24.11	3,415	104 38 57.6	3,086	298
34813	Sagittarius....	8½	35 25.08	3,751	117 17 8.6	3,087	568
34814	Sagittarius....	8½	35 25.27	3,751	117 17 8.3	3,088	567
34815	Lyra	8½	35 26.06	2,277	59 3 12.1	3,089	20
34816	Aquila	8½	35 28.63	3,080	90 27 37.8	3,093	96
34817	Draco.....	7	35 34.87	0,196	24 41 20.2	3,101	362
34818	Serpens	8	35 36.80	2,866	81 13 51.1	3,105	88
34819	Hercules	-	35 37.03	2,705	74 33 33.7	3,106	82
34820	Serpens	6	35 38.60	2,947	84 41 40.1	3,108	90
34821	Serpens	8	35 38.94	2,789	78 1 6.0	3,108	170
34822	Aquila	6	35 41.42	3,310	100 19 24.0	3,111	296
34823	Aquila	8	35 43.16	3,263	98 19 3.9	3,114	100
34824	Serpens	9	35 44.09	2,945	84 37 5.8	3,116	90
34825	Hercules	8½	35 46.58	2,370	62 4 43.2	3,119	238
34826	Hercules	8	35 47.45	2,364	61 53 7.0	3,120	23
34827	Lyra	9	35 48.19	1,719	44 21 55.2	3,121	240
34828	Serpens	8	35 51.48	2,797	78 21 11.5	3,126	170
34829	Lyra	8	35 54.72	1,715	44 16 11.1	3,130	240
34830	Hercules	9	35 58.06	+2,446	64 44 36.7	3,135	104
34831	Draco.....	9½	35 58.21	-1,034	17 50 28.3	3,135	360
34832	Sagittarius....	8½	35 59.94	+3,453	106 10 53.9	3,137	300
34833	Sagittarius....	8	36 0.13	3,563	110 28 35.5	3,138	172
34834	Aquila	8	36 1.30	3,229	96 53 17.6	3,139	235
34835	Aquila	8	36 4.71	3,250	97 46 47.9	3,145	100
34836	Serpens	7	36 5.99	2,803	78 35 48.2	3,147	85
34837	Serpens	8	36 6.01	2,803	78 35 46.8	3,147	170
34838	Hercules	7½	36 7.63	2,500	66 41 9.6	3,149	101
34839	Aquila	6	36 8.86	3,096	91 9 35.2	3,151	96
34840	Aquila	6½	18 36 9.41	+3,096	91 9 33.6	-3,152	98

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34841	Aquila	8	18 36 9.52	+3,073	90 9 36.9	-3,152	96
34842	Aquila	7	36 10.41	3,096	91 9 40.6	3,153	98
34843	Serpens	8	36 10.59	2,877	81 42 26.7	3,154	111
34844	Lyra	8	36 15.13	1,795	46 1 2.9	3,160	10
34845	Draco.....	.	36 16.38	1,466	39 28 27.7	3,161	387
34846	Draco.....	.	36 16.65	1,466	39 28 32.9	3,162	386
34847	Draco.....	.	36 16.69	1,466	39 28 31.6	3,162	387
34848	Hercules	7	36 16.73	2,646	72 13 56.7	3,162	80
34849	Sagittarius....	8	36 16.76	+3,510	108 25 45.7	3,162	171
34850	Draco.....	8	36 18.04	-2,642	13 1 7.2	3,163	360
34851	Draco.....	9	36 19.14	-3,737	10 58 48.2	3,165	361
34852	Hercules	6½	36 19.65	+2,498	66 35 59.3	3,166	101
34853	Lyra	5½	36 21.10	2,253	58 15 34.9	3,169	20
34854	Hercules	7½	36 21.98	2,806	78 41 59.2	3,170	85
34855	Hercules	7½	36 22.52	+2,806	78 41 59.8	3,171	170
34856	Draco.....	8½	36 23.29	-0,002	23 15 37.1	3,171	362
34857	Aquila	7½	36 25.07	+3,211	96 6 3.0	3,174	235
34858	Lyra	8	36 25.96	2,031	51 49 18.7	3,176	13
34859	Hercules	7½	36 26.50	2,370	62 5 31.0	3,177	238
34860	Sagittarius....	.	36 26.82	3,535	109 24 10.1	3,177	172
34861	Hercules	8	36 27.28	2,370	62 5 38.8	3,178	23
34862	Hercules ....	.	36 27.75	2,652	72 28 8.8	3,178	80
34863	Lyra	8	36 29.38	1,791	45 55 1.7	3,181	10
34864	Hercules	8	36 31.02	2,526	67 37 55.5	3,184	236
34865	Serpens	7½	36 31.76	2,846	80 22 47.4	3,184	87
34866	Aquila	4	36 33.32	3,184	94 56 56.2	3,186	474
34867	Aquila	5	36 33.89	3,184	94 56 52.1	3,187	111
34868	Lyra	6½	36 35.01	2,098	53 38 20.3	3,188	297
34869	Lyra	6	36 35.13	2,098	53 38 24.5	3,188	15
34870	Lyra	7	36 36.72	1,996	50 53 32.9	3,191	12
34871	Hercules	7	36 39.72	2,703	74 28 21.0	3,196	82
34872	Lyra	8	36 41.83	2,168	55 40 17.2	3,199	294
34873	Lyra	8	36 42.23	+2,168	55 40 24.0	3,199	19
34874	Draco.....	8	36 46.97	-3,766	10 55 48.6	3,206	361
34875	Aquila	6	36 48.46	+3,206	95 54 22.3	3,207	235
34876	Serpens	8	36 51.38	2,758	76 43 42.7	3,212	84
34877	Hercules	6½	36 51.55	2,595	70 13 43.8	3,212	93
34878	Draco.....	8½	36 56.35	1,443	39 3 52.9	3,219	330
34879	Serpens	9	36 56.56	+2,813	78 58 46.9	3,220	170
34880	Draco.....	8	18 36 57.57	-3,767	10 55 42.9	-3,221	365

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34881	Aquila	9	18 36 58,40	+3,311	100 20 20,8	-3,222	296
34882	Sagittarius....	•	36 59,17	3,559	110 21 32,2	3,223	172
34883	Draco.....	8	37 1,03	1,541	40 48 14,2	3,226	358
34884	Sagittarius....	7	37 2,08	3,519	108 48 27,8	3,228	171
34885	Lyra	7½	37 2,35	+1,768	45 15 56,6	3,228	240
34886	Draco.....	7½	37 2,60	-2,251	13 55 58,8	3,228	360
34887	Hercules	4	37 3,35	+2,580	69 38 1,3	3,229	93
34888	Aquila	8	37 4,77	3,271	98 40 9,5	3,231	100
34889	Sagittarius....	8	37 5,38	3,520	108 50 22,0	3,232	171
34890	Hercules	6	37 6,76	2,542	68 12 51,0	3,234	237
34891	Sagittarius....	8	37 6,81	3,752	117 20 1,7	3,234	568
34892	Sagittarius....	8	37 7,25	3,752	117 20 0,1	3,235	567
34893	Aquila	8½	37 9,83	3,034	88 27 47,7	3,239	94
34894	Serpens	8½	37 11,08	3,014	87 36 7,8	3,241	94
34895	Aquila	7½	37 12,35	3,340	101 35 37,8	3,242	349
34896	Aquila	7	37 12,56	3,340	101 35 48,4	3,243	113
34897	Hercules	9	37 13,54	2,702	74 26 18,6	3,244	82
34898	Sagittarius....	9	37 15,97	3,678	114 44 59,7	3,247	566
34899	Hercules	7	37 17,54	2,634	71 42 47,3	3,249	80
34900	Lyra	6½	37 19,33	2,026	51 39 52,0	3,253	13
34901	Lyra	6½	37 21,80	1,636	42 37 8,9	3,256	386
34902	Serpens	8	37 23,82	2,856	80 47 7,7	3,258	87
34903	Aquila	8	37 29,41	3,080	90 26 37,8	3,267	96
34904	Lyra	8	37 30,97	2,213	57 0 36,0	3,269	20
34905	Aquila	•	37 32,32	3,034	88 26 12,4	3,271	94
34906	Serpens	7½	37 32,87	2,781	77 38 47,8	3,272	85
34907	Serpens	7½	37 33,23	2,781	77 38 54,7	3,273	170
34908	Hercules	8	37 37,29	2,367	61 56 42,0	3,278	23
34909	Sagittarius....	8	37 39,28	3,401	104 6 47,6	3,281	298
34910	Serpens	8	37 41,87	2,782	77 41 5,9	3,285	85
34911	Serpens	8	37 42,73	2,782	77 41 21,6	3,286	170
34912	Lyra	4	37 42,77	1,983	50 31 51,9	3,286	12
34913	Draco.....	8	37 43,53	1,539	40 44 54,5	3,287	358
34914	Lyra	5	37 44,76	1,986	50 35 21,9	3,289	12
34915	Sagittarius....	•	37 46,81	3,537	109 31 12,5	3,292	172
34916	Sagittarius....	7½	37 48,95	3,533	109 21 11,2	3,295	172
34917	Sagittarius....	8½	37 50,35	+3,527	109 7 9,5	3,297	171
34918	Draco.....	7½	37 51,04	-1,048	17 45 45,5	3,298	360
34919	Lyra	5½	37 52,28	+2,061	52 35 45,7	3,300	15
34920	Lyra	5	18 37 52,29	+2,061	52 35 43,5	-3,300	13

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34921	Lyra ζ^1	5	18 37 53.02	+2,061	52 35 42.2	-3,301	295
34922	Lyra ζ^1	4½	37 53.49	2,061	52 35 45.7	3,301	297
34923	Sagittarius	7½	37 54.75	3,471	106 56 0.5	3,303	300
34924	Lyra	6½	37 54.80	2,061	52 36 22.5	3,303	13
34925	Hercules	6	37 55.18	2,628	71 29 48.7	3,304	80
34926	Lyra ζ^1	5½	37 55.27	2,061	52 36 21.6	3,304	15
34927	Lyra ζ^1	6	37 55.39	2,061	52 36 23.6	3,305	297
34928	Sagittarius	8½	37 56.33	3,681	114 51 3.8	3,306	566
34929	Aquila	7	37 56.71	3,213	96 12 53.0	3,306	235
34930	Sagittarius	9	38 0.84	3,476	107 7 0.5	3,312	300
34931	Hercules	5½	38 1.13	2,413	63 32 27.4	3,312	104
34932	Hercules	5½	38 1.25	2,413	63 32 27.0	3,313	238
34933	Sagittarius . . . .	.	38 6.45	3,631	113 3 37.6	3,321	173
34934	Lyra	8	38 6.66	1,725	44 26 48.4	3,321	240
34935	Hercules . . . .	.	38 7.85	2,477	65 45 2.4	3,322	101
34936	Aquila	8½	38 8.47	+3,330	101 11 1.6	3,323	296
34937	Draco	9	38 8.68	-0,612	19 42 38.8	3,324	359
34938	Aquila	8½	38 8.95	+3,146	93 18 52.2	3,324	111
34939	Lyra	8	38 10.34	2,180	55 59 22.3	3,326	294
34940	Sagittarius	7	38 10.37	3,741	116 58 59.2	3,326	567
34941	Hercules	4½	38 11.26	2,642	72 1 48.3	3,328	80
34942	Lyra	8	38 11.64	2,180	55 59 31.5	3,328	19
34943	Serpens	9	38 11.85	2,859	80 56 35.4	3,329	87
34944	Aquila	8	38 16.55	3,350	101 59 54.4	3,334	349
34945	Lyra . . . . .	.	38 16.82	1,703	43 58 53.9	3,335	240
34946	Aquila	8½	38 16.90	3,350	101 59 55.5	3,335	113
34947	Serpens	8	38 17.51	2,944	83 32 53.5	3,336	90
34948	Lyra	8½	38 20.50	1,868	47 39 49.6	3,340	237
34949	Lyra	8	38 20.66	1,868	47 39 45.5	3,340	295
34950	Lyra	7½	38 21.22	2,098	53 37 34.4	3,341	15
34951	Hercules	7	38 24.10	2,674	73 17 45.3	3,346	82
34952	Sagittarius	8½	38 24.50	3,502	108 9 8.1	3,346	171
34953	Aquila	7½	38 26.39	+3,267	98 31 25.3	3,349	100
34954	Draco . . . . .	.	38 26.42	-1,077	17 38 27.7	3,349	360
34955	Lyra . . . . .	.	38 26.42	+1,635	42 34 50.1	3,349	386
34956	Hercules	7	38 26.51	2,709	74 41 39.4	3,349	82
34957	Hercules	8	38 27.07	2,445	64 39 51.3	3,350	104
34958	Aquila	7½	38 28.91	3,316	100 35 26.3	3,353	296
34959	Lyra	6½	38 29.38	2,062	52 36 23.1	3,353	295
34960	Lyra	8	18 38 29.43	+1,765	45 18 41.8	-3,354	10

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34961	Serpens	7	18 38 29.52	+2,760	76 45 51.9	-3,354	84
34962	Lyra	8½	38 29.78	1,709	44 5 43.9	3,354	240
34963	Serpens	8½	38 30.56	2,814	79 2 35.3	3,355	170
34964	Serpens	8	38 31.49	2,886	82 5 19.1	3,356	88
34965	Serpens	7½	38 32.57	2,814	79 4 19.4	3,357	170
34966	Hercules	8½	38 32.83	2,477	65 49 2.2	3,358	101
34967	Lyra	7	38 34.45	+2,170	55 41 3.7	3,360	294
34968	Draco.....	9	38 35.20	-0,026	23 4 11.9	3,361	362
34969	Lyra	8	38 35.73	+2,170	55 41 2.9	3,362	19
34970	Serpens	8½	38 37.94	2,881	81 51 46.6	3,365	88
34971	Sagittarius....	9	38 37.99	+3,615	112 28 52.2	3,365	173
34972	Draco.....	9	38 39.00	-2,687	12 54 0.9	3,367	360
34973	Draco.....	9	38 42.74	-1,076	17 38 32.6	3,372	360
34974	Hercules	8½	38 46.51	+2,708	74 38 15.0	3,378	82
34975	Aquila	9	38 46.80	3,386	103 28 53.5	3,378	298
34976	Hercules	8½	38 47.21	2,390	62 43 26.1	3,378	23
34977	Lyra	9	38 47.49	1,864	47 33 26.2	3,379	294
34978	Serpens	7½	38 48.15	2,827	79 34 2.8	3,380	87
34979	Sagittarius....	6	38 48.96	3,612	112 22 36.1	3,382	173
34980	Hercules	8	38 53.83	2,478	65 49 15.0	3,388	101
34981	Aquila	7½	38 55.88	3,097	91 11 37.9	3,390	96
34982	Aquila	8	38 55.96	3,097	91 11 40.3	3,391	98
34983	Sagittarius....	7½	38 57.02	3,752	117 22 42.4	3,393	568
34984	Aquila	7½	38 58.58	3,211	96 7 32.3	3,395	236
34985	Aquila	8½	38 59.89	3,212	96 9 25.4	3,397	236
34986	Serpens	7½	39 2.13	2,824	79 26 20.4	3,400	87
34987	Serpens	8	39 5.53	2,891	82 16 26.2	3,405	88
34988	Hercules	8	39 5.89	2,471	65 33 49.7	3,406	101
34989	Lyra	8	39 6.88	2,272	58 48 13.7	3,407	20
34990	Sagittarius....	8	39 7.55	3,563	110 30 39.6	3,408	172
34991	Draco.....	8½	39 8.42	1,525	40 28 42.2	3,410	358
34992	Aquila	6½	39 12.84	3,393	103 47 20.8	3,416	298
34993	Sagittarius....	8½	39 14.05	+3,563	110 30 56.5	3,418	172
34994	Draco.....	7	39 17.03	-2,816	12 37 11.9	3,422	361
34995	Lyra	8	39 17.19	+1,916	48 47 55.6	3,422	294
34996	Lyra	6	39 17.27	+1,915	48 46 0.3	3,422	237
34997	Draco.....	6	39 19.25	-2,817	12 37 14.1	3,425	360
34998	Hercules	7	39 19.53	+2,712	74 48 57.0	3,426	82
34999	Hercules	8½	39 21.29	2,571	69 16 31.4	3,428	237
35000	Lyra	8	18 39 21.29	+1,709	44 4 8.6	-3,428	240

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35001	Sagittarius....	8½	18 39 21.61	+3,498	107 59 54.7	-3,429	171
35002	Hercules	8½	39 23.28	2,593	70 5 54.7	3,431	93
35003	Aquila	9	39 23.92	+3,213	96 11 37.3	3,432	236
35004	Draco.....	7½	39 25.59	-1,008	17 54 24.3	3,434	360
35005	Aquila	6½	39 25.87	+3,055	89 22 35.3	3,434	96
35006	Draco.....	8	39 25.94	-1,033	17 48 13.1	3,434	360
35007	Aquila	7	39 26.16	+3,055	89 22 35.1	3,434	94
35008	Hercules	8	39 29.83	2,479	65 50 54.7	3,441	101
35009	Sagittarius....	9	39 34.59	3,496	107 55 21.1	3,446	171
35010	Sagittarius....	8½	39 36.41	3,680	114 52 21.3	3,449	566
35011	Aquila	7	39 37.12	3,158	93 50 5.8	3,450	111
35012	Hercules	9	39 38.71	2,388	62 38 29.5	3,453	23
35013	Aquila	8	39 44.83	3,390	103 39 52.1	3,461	298
35014	Lyra	8½	39 46.59	2,035	51 51 8.6	3,464	13
35015	Lyra	8½	39 49.02	1,917	48 48 0.1	3,467	237
35016	Lyra	6½	39 49.23	+1,915	48 45 53.1	3,468	294
35017	Draco.....	9½	39 50.32	-4,014	10 32 1.9	3,469	365
35018	Sagittarius....	7	39 54.14	+3,812	119 24 55.5	3,474	568
35019	Hercules	9	39 57.70	2,574	69 22 34.4	3,480	237
35020	Lyra	7½	39 57.97	2,185	56 6 33.9	3,480	294
35021	Aquila	6	39 58.23	3,302	99 59 39.9	3,481	296
35022	Lyra	7	39 58.24	2,185	56 6 41.5	3,481	19
35023	Hercules	8	39 58.80	2,601	70 24 8.7	3,481	93
35024	Lyra	8½	40 1.45	1,905	48 31 14.7	3,485	237
35025	Sagittarius....	6	40 1.53	3,737	116 52 12.7	3,485	567
35026	Lyra	8	40 1.61	1,905	48 31 6.8	3,485	294
35027	Lyra	8	40 1.81	2,124	54 19 36.0	3,485	15
35028	Serpens .....	.	40 4.47	2,730	75 33 20.1	3,489	84
35029	Serpens	7½	40 6.99	2,916	83 21 14.2	3,493	90
35030	Sagittarius....	6½	40 7.17	3,605	112 8 29.4	3,493	173
35031	Sagittarius....	9	40 8.57	3,560	110 35 47.8	3,495	172
35032	Hercules	6	40 9.78	2,613	70 53 6.1	3,497	93
35033	Lyra	8	40 11.37	1,801	46 4 26.4	3,499	10
35034	Lyra	8½	40 14.86	2,180	55 57 19.6	3,504	294
35035	Serpens	8	40 15.50	2,803	78 33 32.9	3,505	170
35036	Lyra	8	40 16.23	2,180	55 57 26.2	3,506	19
35037	Serpens	7½	40 17.67	2,830	79 41 41.3	3,509	87
35038	Serpens	7½	40 19.14	2,827	79 32 17.9	3,511	87
35039	Aquila	8	40 21.29	3,259	98 9 57.2	3,514	100
35040	Aquila	8½	18 40 21.46	+3,260	98 13 48.4	-3,514	100

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35041	Draco.....	9	18 40 22.23	-1,001	17 55 27.3	-3,516	360
35042	Lyra	7½	40 22.32	+1,827	46 38 55.9	3,516	10
35043	Aquila	9	40 23.99	3,220	96 29 58.9	3,518	236
35044	Hercules	7	40 24.03	2,566	69 2 51.8	3,518	237
35045	Lyra	6	40 24.80	2,262	58 27 23.6	3,519	20
35046	Sagittarius....	9	40 25.04	3,560	110 25 34.5	3,520	172
35047	Serpens	8	40 25.56	2,815	79 3 0.6	3,521	170
35048	Lyra	9	40 28.39	2,036	51 51 1.2	3,525	13
35049	Sagittarius....	8½	40 32.61	3,729	116 36 56.2	3,530	567
35050	Lyra	8	40 32.96	1,686	43 34 42.9	3,531	240
35051	Serpens	7½	40 34.15	2,828	79 36 1.9	3,533	87
35052	Sagittarius....	8	40 34.57	3,769	117 58 55.8	3,533	568
35053	Sagittarius....	8	40 35.81	3,616	112 31 35.7	3,535	173
35054	Aquila	7	40 36.35	3,150	93 28 40.5	3,536	111
35055	Aquila	9½	40 37.02	3,326	101 5 17.4	3,537	296
35056	Hercules	6½	40 37.25	2,488	66 9 28.5	3,537	101
35057	Serpens	8	40 44.10	2,931	83 59 35.1	3,546	90
35058	Serpens	7½	40 45.14	2,902	82 45 35.3	3,548	■
35059	Aquila	6	40 51.79	3,151	93 32 19.5	3,558	111
35060	Serpens	7½	40 53.52	2,807	78 41 47.8	3,560	170
35061	Hercules	7	40 56.52	2,715	74 54 52.4	3,565	82
35062	Hercules	7	41 1.29	2,461	65 10 13.6	3,572	104
35063	Lyra	8	41 2.14	1,892	48 9 57.0	3,574	237
35064	Aquila	8	41 4.57	3,056	89 23 18.5	3,576	96
35065	Lyra	8	41 4.96	2,083	53 8 23.3	3,577	297
35066	Lyra	7	41 5.58	2,083	53 8 25.0	3,578	13
35067	Lyra	•	41 9.17	2,197	56 26 37.9	3,583	294
35068	Sagittarius....	8	41 14.26	3,509	108 29 9.1	3,590	171
35069	Hercules	7½	41 15.92	2,385	62 29 54.6	3,592	238
35070	Hercules	9	41 16.11	2,385	62 29 59.4	3,592	23
35071	Aquila	8	41 17.90	3,346	101 51 32.4	3,595	349
35072	Lyra	6½	41 17.95	1,702	43 53 52.7	3,595	240
35073	Aquila	8	41 18.77	3,099	91 16 4.2	3,596	98
35074	Serpens	6½	41 21.09	2,820	79 14 45.5	3,599	170
35075	Serpens	7	41 21.10	2,820	79 14 44.9	3,599	87
35076	Sagittarius....	7	41 23.38	3,519	108 51 45.5	3,603	171
35077	Lyra	8	41 24.23	2,175	55 46 22.3	3,604	19
35078	Hercules	8	41 28.25	2,638	71 48 53.3	3,610	80
35079	Hercules	9	41 28.41	2,385	62 30 28.6	3,610	238
35080	Sagittarius....	7½	18 41 28.74	+3,462	106 36 40.1	-3,611	300

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35081	Hercules	7½	18 41 28,86	+2,385	62 30 34,3	-3,611	23
35082	Draco.....	9	41 29,14	-4,116	10 22 30,3	3,612	365
35083	Sagittarius....	8½	41 29,24	+3,436	105 33 34,5	3,612	300
35084	Draco.....	10	41 29,62	-1,920	14 46 8,8	3,612	360
35085	Aquila	8½	41 33,42	+3,312	100 26 15,2	3,617	296
35086	Sagittarius....	8	41 36,93	3,523	109 0 47,3	3,622	171
35087	Lyra	8	41 44,73	2,172	55 41 25,0	3,634	19
35088	Sagittarius....	9	41 46,36	3,438	105 39 42,0	3,636	300
35089	Serpens	8	41 47,17	3,005	87 11 14,3	3,638	92
35090	Serpens	8	41 47,37	3,005	87 11 11,7	3,638	94
35091	Aquila	9½	41 49,91	3,315	100 34 23,5	3,641	296
35092	Aquila	8	41 50,50	3,341	101 39 57,6	3,642	113
35093	Hercules	7½	41 50,57	2,423	63 47 47,7	3,642	104
35094	Aquila	8	41 50,63	3,080	90 26 45,7	3,642	96
35095	Aquila	8½	41 51,49	3,341	101 39 45,5	3,643	349
35096	Aquila	8	41 53,58	3,161	93 57 4,0	3,647	111
35097	Serpens	9	41 57,71	2,910	83 4 15,1	3,653	83
35098	Sagittarius....	7½	41 58,95	3,549	110 1 25,7	3,655	172
35099	Sagittarius....	8	41 59,62	3,411	104 32 30,8	3,656	298
35100	Hercules	9	42 1,45	2,363	61 44 6,6	3,658	238
35101	Lyra	7½	42 3,17	2,200	56 31 13,8	3,660	294
35102	Aquila	8	42 3,48	3,210	96 4 31,1	3,660	236
35103	Sagittarius....	8	42 4,12	3,622	112 48 3,8	3,662	173
35104	Sagittarius .. y¹	5½	42 5,38	3,627	112 58 31,3	3,664	173
35105	Hercules ....	.	42 6,26	2,487	66 6 58,7	3,664	101
35106	Aquila	8½	42 6,59	3,339	101 34 56,2	3,665	113
35107	Sagittarius....	8	42 6,61	3,683	114 59 55,8	3,665	566
35108	Aquila	8	42 6,98	3,339	101 34 47,1	3,665	349
35109	Hercules ....	.	42 9,17	2,496	66 25 4,0	3,668	101
35110	Lyra	7½	42 10,06	2,267	58 35 28,7	3,670	20
35111	Sagittarius....	8	42 10,38	3,743	117 7 16,5	3,670	567
35112	Aquila	8	42 11,96	3,312	100 26 56,0	3,673	296
35113	Draco.....	6	42 16,05	1,339	37 13 39,4	3,679	330
35114	Sagittarius....	9	42 16,08	3,681	114 56 30,2	3,679	566
35115	Lyra	8	42 16,73	2,182	55 57 57,0	3,680	19
35116	Lyra	8	42 18,11	2,323	60 24 25,1	3,681	21
35117	Lyra	9	42 18,31	1,973	50 9 20,7	3,682	12
35118	Aquila	9	42 18,46	3,216	96 22 1,9	3,682	236
35119	Draco.....	.	42 19,51	1,546	40 47 0,2	3,684	387
35120	Draco.....	.	18 42 19,53	+1,546	40 47 4,5	-3,684	386

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35121	Lyra ^γ	6	18 42 19,59	+2,229	57 24 34,5	-3,684	20
35122	Draco.....	•	42 19,70	1,546	40 47 1,2	3,684	387
35123	Lyra	5	42 25,08	2,240	57 45 15,7	3,692	20
35124	Draco.....	6½	42 26,40	1,565	41 8 37,4	3,693	386
35125	Hercules	8	42 27,67	2,506	66 47 40,2	3,695	101
35126	Sagittarius....	9	42 27,97	3,553	110 9 56,6	3,696	172
35127	Hercules	8	42 29,21	2,631	71 33 2,3	3,698	80
35128	Serpens	8	42 32,63	2,824	79 25 49,6	3,702	87
35129	Aquila	8	42 34,79	3,184	94 57 36,2	3,705	111
35130	Hercules	8	42 35,71	+2,631	71 33 31,3	3,707	80
35131	Draco.....	8	42 36,54	-1,946	14 40 59,7	3,708	360
35132	Lyra	8	42 38,30	+1,845	47 1 30,1	3,710	10
35133	Aquila	9	42 40,03	3,398	104 1 23,2	3,713	298
35134	Lyra ^β	3	42 41,12	2,212	56 51 39,0	3,715	294
35135	Lyra ^β	•	42 41,43	2,212	56 51 36,6	3,715	297
35136	Lyra ^β	3½	42 41,48	2,212	56 51 40,4	3,715	295
35137	Lyra	8	42 42,78	2,212	56 52 20,0	3,717	294
35138	Lyra ^δ	8½	42 43,22	2,099	53 32 58,7	3,718	15
35139	Lyra	•	42 43,44	2,212	56 52 18,2	3,718	295
35140	Serpens	8	42 43,83	2,982	86 10 36,8	3,718	92
35141	Serpens	8½	42 43,89	2,780	77 34 12,2	3,718	170
35142	Lyra	8	42 44,22	2,362	61 41 53,3	3,718	238
35143	Lyra	7	42 44,53	1,754	44 57 47,2	3,719	240
35144	Sagittarius....	7½	42 44,61	3,812	119 26 53,5	3,719	568
35145	Lyra	8	42 44,81	2,362	61 41 58,8	3,719	23
35146	Aquila	8	42 44,84	3,074	90 10 40,6	3,719	96
35147	Aquila	9	42 49,41	3,313	100 29 38,1	3,727	296
35148	Lyra	8	42 50,29	2,035	51 47 44,7	3,728	13
35149	Sagittarius... ^σ	3	42 51,68	3,726	116 31 47,2	3,730	567
35150	Serpens	6	42 51,97	2,748	76 15 42,7	3,730	84
35151	Aquila	8	42 52,11	3,394	103 51 32,5	3,730	298
35152	Serpens	8½	42 57,28	2,916	83 19 24,8	3,738	90
35153	Draco.....	5½	42 58,93	1,582	41 27 17,1	3,741	386
35154	Draco.....	•	42 59,06	1,582	41 27 20,7	3,741	386
35155	Aquila	•	43 0,86	3,035	88 28 34,8	3,743	94
35156	Sagittarius... ^ν	5½	43 1,40	3,625	112 54 17,3	3,744	173
35157	Serpens	8	43 1,41	+2,784	77 45 17,4	3,744	170
35158	Draco.....	9	43 2,44	-1,164	17 14 24,2	3,745	359
35159	Serpens	6½	43 11,30	+2,735	75 41 32,7	3,758	84
35160	Sagittarius....	8	18 43 12,90	+3,544	109 52 24,0	-3,760	172

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35161	Serpens	9	h m s 18 43 13.02	+2,922	83° 34' 39.0"	-3,760	90
35162	Sagittarius....	6	43 15.32	3,442	105 50 25.6	3,763	300
35163	Lyra	7	43 15.84	1,823	46 29 28.9	3,764	10
35164	Lyra	9	43 16.00	1,751	44 53 59.9	3,764	240
35165	Aquila	8	43 17.01	3,345	101 49 43.9	3,766	349
35166	Aquila	8	43 17.25	3,055	89 21 42.4	3,768	96
35167	Serpens	7½	43 18.72	2,838	79 59 1.2	3,768	87
35168	Sagittarius....	8	43 20.16	3,561	110 29 40.9	3,770	172
35169	Serpens	9	43 21.06	2,894	82 23 50.2	3,772	88
35170	Hercules	8½	43 23.31	2,560	68 46 35.4	3,775	237
35171	Aquila	8½	43 23.75	3,181	94 51 35.6	3,776	111
35172	Sagittarius....	9	43 23.85	3,779	118 22 14.2	3,776	568
35173	Serpens	9	43 23.98	2,997	86 50 38.8	3,776	92
35174	Aquila	8	43 24.92	2,748	76 13 33.4	3,778	84
35175	Sagittarius....	8	43 25.74	3,819	119 42 53.5	3,779	568
35176	Serpen .....	.	43 26.55	2,893	82 20 52.1	3,780	112
35177	Serpens	8	43 27.04	2,874	81 30 32.6	3,780	113
35178	Aquila	9	43 28.40	2,782	77 39 52.1	3,783	170
35179	Hercules	8½	43 30.72	2,493	66 18 19.2	3,785	101
35180	Serpens	7½	43 31.77	2,845	80 16 31.6	3,787	87
35181	Lyra .....	.	43 31.94	1,732	44 28 58.4	3,787	240
35182	Draco.....	8½	43 34.41	0,305	25 24 27.9	3,790	362
35183	Draco.....	9	43 35.57	+1,421	38 32 20.5	3,792	330
35184	Draco.....	10	43 43.91	-1,972	14 35 54.7	3,805	360
35185	Hercules	5½	43 44.06	+2,560	68 48 17.3	3,805	237
35186	Lyra	6	43 44.10	2,355	61 26 45.2	3,805	21
35187	Lyra	7½	43 44.17	2,178	55 50 4.5	3,805	294
35188	Sagittarius....	9	43 44.18	3,500	108 9 4.0	3,805	171
35189	Lyra	6½	43 44.23	2,355	61 26 48.6	3,805	238
35190	Aquila	8½	43 44.34	3,105	91 32 26.8	3,805	98
35191	Lyra	6½	43 44.66	2,354	61 23 46.9	3,806	23
35192	Lyra	7½	43 45.23	2,176	55 45 4.9	3,806	19
35193	Aquila	8	43 45.60	3,212	96 11 35.9	3,807	236
35194	Serpens	7½	43 45.73	2,839	80 3 7.2	3,807	87
35195	Sagittarius....	8	43 46.39	3,446	105 59 23.3	3,808	300
35196	Aquila	9½	43 48.42	3,324	100 57 24.5	3,811	296
35197	Aquila	9	43 48.73	3,180	94 48 55.3	3,812	111
35198	Aquila	7	43 51.43	3,319	100 45 6.8	3,815	296
35199	Aquila	43 51.91	3,110	91 46 44.2	3,816	98
35200	Sagittarius....	8	18 43 52.16	+3,554	110 15 19.8	-3,816	172

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			h m s	s	° ' "	"	
35201	Sagittarius.....	7	18 43 53.78	+3,638	113 24 45.9	-3,819	566
35202	Lyra	7	43 58.76	2,002	50 53 13.5	3,825	12
35203	Serpens	7½	43 59.31	2,852	80 34 23.9	3,826	87
35204	Hercules	7	44 7.28	2,435	64 12 14.9	3,838	104
35205	Lyra	8½	44 9.82	2,356	61 27 41.5	3,841	238
35206	Lyra	8	44 10.42	2,356	61 27 44.7	3,842	23
35207	Sagittarius.....	9	44 15.15	3,492	107 49 8.6	3,850	171
35208	Lyra	9	44 18.57	2,273	58 45 16.6	3,854	20
35209	Lyra	7½	44 18.73	1,859	47 18 59.3	3,855	294
35210	Lyra	7½	44 19.14	1,859	47 19 5.9	3,855	237
35211	Lyra	7	44 19.35	1,859	47 19 4.1	3,856	10
35212	Sagittarius.....	7	44 20.29	3,420	104 55 50.3	3,857	298
35213	Aquila	8	44 21.04	2,772	77 12 21.0	3,858	170
35214	Hercules	8	44 23.23	2,640	71 52 56.8	3,861	80
35215	Serpens	8	44 24.32	3,032	88 20 11.8	3,863	94
35216	Sagittarius.....	8	44 26.62	3,423	105 3 24.7	3,866	298
35217	Sagittarius.....	8	44 27.27	3,637	113 23 4.7	3,867	566
35218	Aquila	8	44 29.85	2,772	77 14 16.0	3,871	170
35219	Serpens	7½	44 30.25	3,032	88 20 56.9	3,871	94
35220	Lyra	7	44 32.60	2,030	51 36 23.5	3,875	13
35221	Lyra	7½	44 33.41	2,030	51 36 20.7	3,876	297
35222	Lyra	6½	44 34.40	2,106	53 41 30.6	3,877	15
35223	Hercules	8½	44 37.75	2,649	72 12 49.1	3,882	80
35224	Sagittarius.....	8½	44 37.81	3,640	113 29 59.0	3,882	566
35225	Lyra .....	.	44 40.36	1,815	46 16 22.9	3,889	10
35226	Serpens	8	44 42.41	2,878	81 41 33.3	3,889	88
35227	Aquila	8	44 43.33	3,193	95 22 46.8	3,890	568
35228	Aquila	7	44 44.69	3,049	89 7 1.1	3,891	96
35229	Hercules	8	44 44.74	2,644	72 1 26.8	3,891	80
35230	Lyra .....	.	44 45.42	2,004	50 54 42.9	3,892	12
35231	Serpens	8	44 45.53	+2,996	86 46 42.0	3,893	92
35232	Draco.....	8½	44 50.65	-0,606	19 38 29.8	3,900	359
35233	Sagitta	8	44 53.03	+2,718	74 58 36.4	3,904	82
35234	Aquila	8	44 55.84	2,771	77 10 30.6	3,907	170
35235	Sagittarius.....	8½	44 58.86	3,759	117 42 21.9	3,914	175
35236	Aquila	7	45 2.55	2,724	75 13 46.7	3,917	82
35237	Serpens	7½	45 5.81	2,851	80 33 1.3	3,922	87
35238	Lyra	7	45 6.24	2,071	52 42 58.1	3,922	13
35239	Lyra	7½	45 6.71	2,071	52 43 1.5	3,922	297
35240	Sagittarius.....	7½	18 45 8.06	+3,488	107 41 17.5	-3,924	171

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			h m s	s	° ' "	"	
35241	Hercules	8	18 45 8,30	+2,485	65 57 28,0	-3,929	101
35242	Hercules	8	45 8,57	2,454	64 51 32,1	3,926	104
35243	Aquila	7	45 8,62	2,763	76 50 52,4	3,926	84
35244	Lyra	9	45 12,08	2,245	57 49 47,1	3,931	20
35245	Aquila	8	45 12,44	+2,795	78 10 53,2	3,931	170
35246	Draco.....	9½	45 13,43	-0,837	18 33 26,8	3,932	360
35247	Sagittarius....	9	45 14,10	+3,483	107 29 23,2	3,934	171
35248	Aquila	8	45 14,23	3,207	95 57 49,6	3,934	236
35249	Aquila	7½	45 15,96	3,338	101 33 57,6	3,936	113
35250	Aquila	7	45 16,18	3,338	101 33 55,8	3,937	349
35251	Sagittarius....	7	45 21,77	3,423	105 6 12,6	3,945	298
35252	Aquila	9	45 22,61	3,185	95 2 12,9	3,946	568
35253	Lyra	8	45 23,67	1,921	48 46 8,9	3,948	237
35254	Aquila	8½	45 23,99	3,182	94 54 55,6	3,949	568
35255	Lyra	8	45 24,01	+1,921	48 46 5,5	3,949	294
35256	Draco.....	7	45 24,13	-0,650	19 25 10,1	3,949	359
35257	Aquila	9	45 24,20	+3,179	94 45 53,4	3,949	111
35258	Sagittarius...ξ ¹	5½	45 27,08	3,570	110 54 13,1	3,952	172
35259	Lyra	8½	45 28,46	1,910	48 29 44,6	3,955	237
35260	Aquila	9	45 28,80	3,184	94 59 55,0	3,955	111
35261	Lyra	8½	45 28,88	1,910	48 29 42,2	3,955	294
35262	Aquila	9	45 29,60	3,184	94 59 55,8	3,956	568
35263	Aquila	7½	45 32,97	3,069	89 58 44,7	3,961	96
35264	Aquila	8½	45 33,48	3,341	101 40 39,0	3,961	349
35265	Draco.....	9	45 34,23	0,155	24 13 4,0	3,963	362
35266	Lyra	7½	45 36,25	1,763	45 5 59,3	3,966	240
35267	Serpens	8	45 39,22	2,974	85 48 25,6	3,969	92
35268	Lyra	6½	45 41,83	1,924	48 51 10,9	3,974	237
35269	Lyra	6½	45 41,97	1,924	48 51 5,5	3,974	294
35270	Serpens	5	45 42,65	2,923	83 37 20,8	3,975	90
35271	Sagitta	7	45 44,54	2,716	74 53 53,9	3,977	82
35272	Serpens	8	45 45,27	2,977	85 58 19,9	3,978	92
35273	Aquila	9	45 46,61	3,212	96 11 38,3	3,980	236
35274	Sagittarius...ξ ²	5½	45 47,89	3,582	111 21 18,2	3,982	173
35275	Hercules	7	45 49,21	2,590	69 52 58,0	3,984	93
35276	Draco.....	8½	45 50,11	1,414	38 21 46,7	3,985	330
35277	Serpens	8½	45 50,28	2,847	80 22 15,6	3,986	87
35278	Aquila	8	45 50,75	3,270	98 40 38,3	3,986	100
35279	Hercules	6	45 55,77	2,583	69 37 32,7	3,993	93
35280	Aquila	7½	18 45 58,30	+3,094	91 3 0,0	-3,997	96

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			h m s	s	° ' "	"	
35281	Aquila	6	18 45 59,36	+3,116	92 2 42,9	-3,998	98
35282	Lyra	•	46 2,26	2,079	52 55 18,8	4,003	13
35283	Lyra	8	46 2,69	2,079	52 55 16,5	4,003	297
35284	Serpens	6½	46 3,18	2,911	83 4 30,0	4,004	88
35285	Sagittarius....	7½	46 4,43	3,684	115 7 35,7	4,006	566
35286	Sagittarius....	7	46 4,72	3,684	115 7 39,3	4,006	567
35287	Aquila	8½	46 7,53	3,205	95 54 49,2	4,010	236
35288	Aquila	•	46 9,87	3,381	103 21 4,2	4,014	298
35289	Lyra	7	46 10,84	1,827	46 31 33,2	4,016	10
35290	Serpens	8	46 11,05	2,893	82 18 32,6	4,016	88
35291	Lyra	8½	46 13,21	2,173	55 36 59,3	4,018	19
35292	Aquila	6½	46 13,88	2,768	77 1 20,2	4,019	84
35293	Lyra	7	46 14,61	2,286	59 5 56,5	4,020	21
35294	Aquila	6½	46 14,82	2,768	77 1 19,1	4,021	103
35295	Serpens	8	46 15,30	2,979	86 2 36,6	4,022	92
35296	Hercules	6	46 16,06	2,383	62 19 37,7	4,023	238
35297	Hercules	5½	46 16,44	2,383	62 19 45,4	4,023	23
35298	Serpens	7	46 18,50	2,912	83 7 6,0	4,025	88
35299	Hercules	5	46 18,59	2,530	62 35 53,0	4,025	237
35300	Sagittarius....	7½	46 19,07	3,564	110 40 27,9	4,026	172
35301	Aquila	5	46 21,02	3,209	96 5 34,8	4,029	236
35302	Serpens	7	46 21,65	3,017	87 41 32,6	4,030	94
35303	Aquila	6½	46 21,95	2,739	75 50 57,4	4,031	103
35304	Lyra	9	46 25,70	2,074	52 46 3,3	4,036	297
35305	Draco.....	9	46 33,69	1,462	39 10 10,2	4,048	358
35306	Draco.....	•	46 34,17	1,462	39 10 21,1	4,049	387
35307	Draco.....	•	46 34,19	1,462	39 10 20,5	4,049	386
35308	Draco.....	•	46 34,37	1,462	39 10 17,2	4,049	387
35309	Aquila	7½	46 35,32	3,093	91 2 11,7	4,050	96
35310	Sagittarius....	8½	46 38,45	3,691	115 23 9,0	4,054	567
35311	Sagittarius....	9	46 39,78	3,721	116 26 42,3	4,056	567
35312	Lyra δ¹	6	46 44,28	2,092	53 16 12,3	4,062	295
35313	Lyra δ¹	6½	46 44,31	2,092	53 16 8,8	4,062	13
35314	Lyra δ¹	7	46 44,48	2,092	53 16 9,9	4,062	15
35315	Lyra δ¹	5	46 44,73	2,092	53 16 10,7	4,063	297
35316	Lyra δ¹	6	46 44,74	2,092	53 16 8,7	4,063	294
35317	Sagittarius....	8½	46 45,85	3,515	108 47 2,3	4,064	171
35318	Hercules	•	46 49,54	2,514	67 1 15,2	4,070	101
35319	Lyra	7	46 49,85	1,941	49 14 47,6	4,071	294
35320	Lyra	6½	18 46 50,39	+1,941	49 14 51,0	-4,071	12

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			h m s	s	° ' "	"	
35321	Lyra	7	18 46 53.84	+1,828	46 31 28.7	-4,077	10
35322	Serpens	8	46 53.94	+3,019	87 47 13.4	4,077	94
35323	Draco.....	8	46 59.82	-2,827	12 31 8.0	4,085	361
35324	Sagitta	8	47 2.35	+2,716	74 52 47.2	4,088	82
35325	Draco.....	8	47 3.13	-2,827	12 31 8.2	4,090	360
35326	Draco.....	5½	47 6.54	+1,350	37 16 46.1	4,095	330
35327	Lyra	8	47 12.23	2,101	53 30 37.9	4,103	15
35328	Sagittarius....	8	47 13.11	3,421	105 1 16.9	4,104	298
35329	Sagitta	6½	47 13.32	2,651	72 15 11.7	4,104	80
35330	Serpens	6	47 13.35	3,017	87 42 54.1	4,104	94
35331	Lyra	7½	47 14.54	1,863	47 20 22.8	4,106	237
35332	Lyra	7½	47 14.92	2,286	59 5 56.1	4,107	20
35333	Sagitta	5	47 16.80	2,648	72 8 0.5	4,109	80
35334	Serpens .....	.	47 16.80	2,979	86 2 38.1	4,109	92
35335	Hercules	8½	47 17.65	2,410	63 14 30.3	4,111	238
35336	Hercules	8	47 17.88	2,410	63 14 26.2	4,111	104
35337	Hercules	8½	47 18.14	2,410	63 14 39.7	4,111	23
35338	Aquila	7½	47 18.74	3,087	90 46 28.7	4,111	96
35339	Lyra	8	47 19.39	1,968	49 55 13.4	4,112	12
35340	Serpens	8	47 24.67	2,937	84 13 47.1	4,120	90
35341	Lyra	8	47 25.15	1,811	46 6 59.9	4,121	10
35342	Draco.....	8	47 25.29	1,344	37 10 19.8	4,121	330
35343	Sagittarius....	8½	47 25.59	3,775	118 18 28.6	4,122	568
35344	Sagittarius....	8½	47 25.78	3,775	118 18 27.3	4,122	175
35345	Lyra	8½	47 27.73	2,196	56 15 52.1	4,125	19
35346	Hercules	8	47 29.62	2,505	66 40 30.4	4,128	101
35347	Lyra δ²	4	47 30.17	2,096	53 20 51.6	4,129	297
35348	Lyra δ²	4	47 30.45	2,096	53 20 52.3	4,129	295
35349	Lyra δ²	5	47 30.47	2,096	53 20 51.3	4,129	13
35350	Lyra δ²	5½	47 30.70	2,096	53 20 49.5	4,129	15
35351	Lyra δ²	4	47 31.01	2,096	53 20 51.7	4,130	294
35352	Hercules	8	47 31.65	2,447	64 33 5.5	4,130	104
35353	Lyra	6	47 33.12	2,196	56 16 40.1	4,132	19
35354	Sagittarius....	8½	47 36.39	3,448	106 7 11.3	4,137	300
35355	Sagittarius....	9	47 36.52	3,601	112 5 5.2	4,137	173
35356	Hercules	8	47 37.31	+2,604	70 24 11.7	4,138	93
35357	Draco.....	8	47 41.65	-1,841	14 55 14.6	4,145	360
35358	Serpens	7½	47 41.77	+2,978	85 58 27.8	4,145	92
35359	Sagittarius....	7	47 44.59	3,516	108 49 17.7	4,149	171
35360	Lyra	8	18 47 45.09	+2,247	57 50 52.6	-4,150	20

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35361	Lyra	8	18 47 46,25	+1,933	49 1 15,0	-4,152	294
35362	Aquila	7	47 47,61	3,368	102 50 37,5	4,154	113
35363	Aquila	7	47 47,91	3,368	102 50 43,6	4,154	298
35364	Hercules	7½	47 53,00	2,519	67 10 52,0	4,160	101
35365	Aquila	7	47 58,88	2,765	76 52 48,3	4,169	103
35366	Lyra	9	48 4,16	1,668	43 1 35,4	4,177	240
35367	Aquila	7	48 4,96	2,729	75 25 14,8	4,178	84
35368	Aquila	7	48 5,06	2,729	75 25 11,0	4,178	103
35369	Lyra	8	48 5,48	2,313	59 56 16,2	4,178	21
35370	Aquila	8	48 6,52	3,205	95 53 26,7	4,180	236
35371	Sagittarius....	7	48 7,98	3,685	115 12 13,5	4,182	566
35372	Sagittarius....	6½	48 8,00	3,685	115 12 21,5	4,182	567
35373	Lyra	8	48 8,23	2,102	53 30 22,3	4,182	15
35374	Sagittarius....	8½	48 8,32	3,512	108 41 38,8	4,182	171
35375	Sagittarius....	8½	48 8,66	3,454	106 22 13,5	4,183	300
35376	Aquila	6	48 9,08	3,374	103 5 52,7	4,183	298
35377	Aquila	5	48 9,66	3,374	103 5 53,4	4,184	113
35378	Aquila	9	48 9,93	3,110	91 45 6,1	4,185	98
35379	Draco.....	.	48 11,30	1,485	39 32 2,3	4,187	387
35380	Lyra	9	48 12,72	1,880	47 43 0,8	4,189	237
35381	Aquila	8	48 13,13	3,080	90 26 31,5	4,190	96
35382	Draco.....	5½	48 15,62	1,485	39 32 7,5	4,193	386
35383	Draco.....	5½	48 15,84	1,485	39 32 4,2	4,194	358
35384	Aquila	7½	48 15,93	3,184	94 59 0,0	4,194	568
35385	Aquila	7½	48 16,04	3,048	89 3 25,5	4,194	94
35386	Aquila	7½	48 16,39	3,184	94 58 57,6	4,194	111
35387	Draco.....	9	48 18,04	1,488	39 35 6,2	4,197	358
35388	Aquila	8	48 21,50	2,909	82 59 59,8	4,202	■
35389	Aquila	8½	48 23,35	3,263	98 25 3,3	4,205	100
35390	Lyra	6	48 27,82	1,919	48 38 46,7	4,210	237
35391	Sagittarius....	9	48 28,18	3,793	118 58 22,3	4,211	175
35392	Lyra	6	48 28,37	1,919	48 38 42,5	4,211	294
35393	Sagittarius....	8½	48 31,46	3,444	105 57 50,2	4,216	300
35394	Hercules	8	48 36,79	2,527	67 26 37,8	4,223	101
35395	Serpens	6	48 37,23	2,932	84 5 40,2	4,224	90
35396	Hercules	8	48 37,74	2,636	71 39 58,1	4,225	80
35397	Aquila	8	48 40,03	3,087	90 45 16,0	4,228	96
35398	Lyra	9	48 40,74	+1,879	47 40 54,6	4,229	237
35399	Draco.....	9	48 41,98	-0,545	19 50 23,4	4,231	359
35400	Lyra	7½	18 48 42,43	+2,376	62 3 29,6	-4,232	23

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35401	Lyra	7½	18 48 42.44	+2,376	62 3 28.6	-4,232	238
35402	Aquila	9	48 48.47	3,200	95 42 22.8	4,239	236
35403	Aquila .....	.	48 48.48	2,797	78 13 43.7	4,239	170
35404	Lyra	6	48 49.33	1,976	50 4 26.5	4,241	12
35405	Hercules	8	48 54.55	2,439	64 15 12.5	4,248	104
35406	Aquila	8½	48 56.39	3,107	91 37 36.4	4,251	98
35407	Hercules	7	48 59.91	2,437	64 9 33.4	4,256	104
35408	Serpens	8½	49 1.11	2,935	84 8 12.1	4,258	90
35409	Aquila .....	.	49 3.50	3,167	94 14 20.0	4,261	568
35410	Hercules	8	49 6.38	2,527	67 26 44.6	4,265	105
35411	Sagittarius....	8½	49 7.58	3,481	107 28 44.6	4,267	171
35412	Hercules	9	49 8.77	2,579	69 26 3.7	4,269	93
35413	Aquila	8	49 9.48	3,140	93 5 45.5	4,270	111
35414	Aquila	7½	49 9.81	3,140	93 5 48.0	4,270	98
35415	Lyra	9	49 10.94	1,975	50 2 58.3	4,272	12
35416	Lyra	7	49 14.07	1,901	48 11 42.9	4,277	237
35417	Lyra	7	49 14.65	1,901	48 11 35.7	4,278	294
35418	Lyra	4½	49 15.37	1,822	46 18 38.0	4,279	10
35419	Aquila	7½	49 15.48	3,044	88 51 11.6	4,279	94
35420	Sagittarius....	8	49 19.38	3,715	116 16 13.9	4,284	567
35421	Sagitta	6	49 20.80	2,668	72 53 49.0	4,286	82
35422	Lyra	9	49 26.89	1,812	46 4 37.6	4,295	10
35423	Draco.....	5½	49 30.51	1,587	41 23 2.1	4,299	386
35424	Draco.....	6	49 30.62	1,587	41 22 59.1	4,300	358
35425	Lyra	6	49 31.37	2,233	57 20 52.6	4,301	294
35426	Lyra	5½	49 31.57	2,233	57 20 43.9	4,301	19
35427	Lyra	5½	49 32.49	2,233	57 20 44.0	4,302	20
35428	Sagittarius....	8	49 34.04	3,623	112 57 40.3	4,305	173
35429	Lyra	9	49 35.00	1,895	48 2 37.6	4,306	294
35430	Aquila	6	49 36.12	2,752	76 20 58.4	4,307	103
35431	Hercules	8	49 41.74	2,639	71 44 12.7	4,316	80
35432	Aquila	8½	49 42.14	3,262	98 22 28.4	4,316	100
35433	Hercules	8½	49 48.14	2,557	68 35 4.8	4,325	105
35434	Aquila	7	49 48.75	2,842	80 7 13.1	4,326	87
35435	Sagittarius..	3	49 52.62	3,828	120 9 1.3	4,331	175
35436	Aquila	5	49 53.36	2,759	76 37 54.7	4,332	103
35437	Aquila	9	49 53.50	3,174	94 35 25.1	4,332	568
35438	Lyra	7½	49 54.89	1,810	46 1 41.4	4,334	10
35439	Draco.....	8	49 56.40	1,371	37 32 55.6	4,336	330
35440	Hercules	7½	18 49 56.67	+2,476	65 33 4.0	-4,337	101

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35441	Hercules	8½	18 49 56,90	+2,474	65 29 30,9	-4,337	101
35442	Draco	•	50 1,64	1,454	38 56 58,1	4,344	387
35443	Draco	•	50 1,96	1,455	38 56 57,4	4,344	386
35444	Draco	8½	50 2,13	1,454	38 56 58,0	4,345	330
35445	Sagitta	6½	50 3,33	2,606	70 27 55,5	4,346	93
35446	Hercules	7	50 3,64	2,585	69 38 18,4	4,347	93
35447	Serpens	7½	50 4,02	2,935	84 6 21,7	4,347	90
35448	Lyra	7½	50 5,97	2,231	57 16 4,2	4,350	294
35449	Serpens	8½	50 6,10	3,000	86 56 43,6	4,350	92
35450	Lyra	7½	50 6,59	2,231	57 16 12,6	4,351	20
35451	Lyra	7½	50 7,16	2,114	53 47 15,3	4,352	15
35452	Lyra	7	50 7,26	2,231	57 16 8,5	4,352	19
35453	Hercules	7½	50 7,67	2,501	66 27 8,9	4,353	101
35454	Lyra	8	50 8,45	2,378	62 5 51,0	4,354	238
35455	Lyra	7½	50 8,86	2,378	62 5 54,8	4,354	23
35456	Draco	•	50 11,69	1,455	38 56 53,0	4,358	387
35457	Serpens	8	50 12,22	3,008	87 18 53,2	4,359	92
35458	Sagittarius	6	50 12,77	3,681	115 6 24,8	4,360	566
35459	Sagittarius	8	50 14,81	3,484	107 37 3,5	4,363	171
35460	Lyra	•	50 20,02	2,030	51 27 34,1	4,370	13
35461	Lyra	7½	50 20,31	2,030	51 27 27,8	4,370	297
35462	Sagittarius	8½	50 24,39	3,477	107 20 43,3	4,376	171
35463	Hercules	8	50 24,48	2,439	64 11 55,6	4,376	104
35464	Aquila	7½	50 25,81	3,081	90 29 34,5	4,378	96
35465	Aquila	7	50 27,81	3,086	90 43 14,0	4,381	96
35466	Lyra	9	50 28,97	1,753	44 45 14,2	4,383	240
35467	Sagitta	8	50 29,22	2,635	71 33 41,0	4,383	80
35468	Sagittarius	8	50 32,32	3,472	107 7 35,8	4,387	171
35469	Aquila	4	50 32,56	2,725	75 11 30,8	4,388	82
35470	Aquila	3½	50 32,60	2,725	75 11 32,0	4,388	170
35471	Sagittarius	8	50 32,69	3,472	107 7 41,0	4,388	300
35472	Aquila	8	50 34,10	3,177	94 42 27,5	4,390	108
35473	Aquila	7½	50 34,40	3,177	94 42 27,4	4,390	568
35474	Aquila	8½	50 41,50	+3,044	88 53 3,9	4,400	94
35475	Draco	6	50 41,64	-1,436	16 9 6,0	4,401	359
35476	Sagitta	7½	50 44,10	+2,696	74 0 16,9	4,404	82
35477	Aquila	8	50 44,19	3,217	96 27 39,6	4,404	236
35478	Sagitta	8	50 47,66	2,610	70 34 59,4	4,410	93
35479	Draco	9	50 48,44	1,540	40 27 23,0	4,411	358
35480	Sagitta	8	18 50 48,79	+2,642	71 50 27,2	-4,412	80

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35481	Sagitta	7	18 50 52.89	+2,615	70 46 34.5	-4.417	93
35482	Aquila	4	50 59.65	3,207	96 0 27.6	4.427	108
35483	Aquila	4	50 59.88	3,207	96 0 22.0	4.427	236
35484	Aquila	4	51 0.21	3,207	96 0 25.4	4.427	111
35485	Sagittarius....	8½	51 1.13	3,465	106 52 21.6	4.429	300
35486	Lyra	8	51 1.72	2,110	53 39 35.7	4.430	15
35487	Aquila	8	51 3.37	2,861	80 54 22.8	4.432	87
35488	Lyra	6	51 5.35	2,323	60 4 43.5	4.435	21
35489	Lyra	7½	51 6.49	1,901	48 8 55.2	4.436	294
35490	Lyra	8	51 7.09	1,902	48 8 57.2	4.437	237
35491	Aquila	8½	51 9.41	3,259	98 15 9.3	4.440	100
35492	Vulpecula	9	51 10.40	2,559	68 36 8.1	4.442	105
35493	Lyra	6	51 11.24	2,087	52 59 50.0	4.443	297
35494	Lyra	6	51 11.26	2,087	52 59 48.7	4.443	13
35495	Lyra	7	51 15.11	1,738	44 24 20.5	4.448	240
35496	Aquila	8	51 17.53	3,046	88 58 48.8	4.452	94
35497	Sagittarius....	6½	51 17.97	3,532	109 31 9.4	4.452	172
35498	Lyra	8	51 21.71	2,117	53 50 22.7	4.458	15
35499	Sagittarius....	6½	51 21.80	3,528	109 22 39.3	4.459	172
35500	Lyra	8	51 26.70	2,051	51 59 30.5	4.465	13
35501	Lyra	8½	51 26.77	2,048	51 54 30.3	4.465	297
35502	Aquila	9	51 26.96	2,735	75 35 20.5	4.466	103
35503	Lyra γ	4	51 27.33	2,242	57 34 35.9	4.466	19
35504	Lyra γ	4½	51 27.47	2,242	57 34 35.1	4.466	20
35505	Lyra γ	3	51 27.52	2,242	57 34 30.3	4.466	294
35506	Aquila	7	51 27.86	2,859	80 50 12.5	4.467	87
35507	Vulpecula	6½	51 32.30	2,528	67 27 16.6	4.473	105
35508	Lyra	9	51 35.34	1,740	44 25 54.4	4.477	240
35509	Lyra	7	51 35.72	2,228	57 8 56.7	4.478	294
35510	Lyra	8	51 36.59	2,228	57 8 54.6	4.479	20
35511	Hercules	5	51 36.88	2,435	64 3 8.9	4.479	104
35512	Lyra	7	51 37.23	2,228	57 8 50.4	4.480	19
35513	Sagittarius....	8	51 39.13	3,423	105 9 16.5	4.482	298
35514	Lyra	7	51 39.27	2,000	50 37 16.3	4.483	12
35515	Aquila	8	51 41.95	2,738	75 43 18.6	4.486	103
35516	Serpens	8½	51 43.02	2,999	86 52 55.6	4.488	92
35517	Aquila	8	51 43.50	3,202	95 49 12.2	4.489	236
35518	Sagitta	8	51 45.21	2,629	71 18 17.0	4.491	80
35519	Lyra	7	51 47.28	1,995	50 29 10.1	4.494	12
35520	Hercules	•	18 51 51.73	+2,432	63 54 54.6	-4.501	104

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35521	Hercules	7½	18 51 55.50	+2,414	63 18 9.0	-4,506	28
35522	Hercules	7	51 55.74	2,414	63 18 7.7	4,506	238
35523	Hercules	6½	51 55.93	2,414	63 18 13.0	4,507	23
35524	Aquila	8	51 58.52	3,253	98 2 2.1	4,510	100
35525	Lyra	8	52 3.46	1,779	45 16 28.4	4,517	10
35526	Aquila	8	52 3.71	2,784	77 38 58.3	4,517	170
35527	Aquila	8	52 6.50	3,334	101 27 51.0	4,522	113
35528	Aquila	8	52 7.53	2,711	74 35 15.1	4,523	82
35529	Aquila	8½	52 8.26	3,370	102 59 5.0	4,524	113
35530	Sagittarius....	7	52 9.42	3,627	113 10 32.8	4,526	566
35531	Draco.....	8	52 10.97	1,447	38 45 27.1	4,528	330
35532	Aquila	9	52 11.34	3,202	95 48 35.0	4,529	236
35533	Lyra	6	52 13.89	1,960	49 35 15.0	4,532	12
35534	Vulpecula	8	52 15.67	2,503	66 29 10.9	4,535	101
35535	Lyra	8	52 16.05	+1,434	38 32 27.9	4,535	330
35536	Lyra	6	52 20.07	-1,621	15 31 12.3	4,540	360
35537	Sagitta	6½	52 20.81	+2,620	70 57 40.9	4,541	93
35538	Aquila	9	52 21.41	2,785	77 39 46.3	4,542	170
35539	Vulpecula ....	.	52 22.05	2,516	66 58 28.4	4,543	101
35540	Sagittarius....	8	52 22.27	3,591	111 48 27.7	4,543	173
35541	Aquila <i>g</i>	6	52 22.37	3,160	93 58 34.5	4,544	568
35542	Aquila <i>g</i>	6	52 22.48	3,160	93 58 32.6	4,544	111
35543	Aquila <i>g</i>	6	52 22.49	+3,160	93 58 30.7	4,544	108
35544	Draco.....	6	52 23.94	-1,621	15 31 7.8	4,546	359
35545	Aquila	8½	52 26.31	+3,092	90 58 47.7	4,550	96
35546	Aquila	9	52 27.31	3,092	90 59 11.7	4,551	96
35547	Lyra <i>λ</i>	6	52 28.16	2,260	58 7 29.1	4,552	20
35548	Lyra	6	52 28.21	2,017	51 3 5.3	4,553	12
35549	Lyra	6½	52 28.45	2,017	51 3 1.5	4,553	297
35550	Lyra	6	52 28.54	2,020	51 8 3.0	4,553	13
35551	Sagittarius....	7	52 28.63	3,691	115 30 42.4	4,553	567
35552	Sagittarius....	9	52 30.61	3,494	108 2 24.0	4,556	171
35553	Aquila	7	52 31.43	2,789	77 49 56.4	4,557	170
35554	Aquila	7	52 31.94	2,855	80 38 32.7	4,558	87
35555	Aquila	8	52 37.50	3,203	95 50 8.1	4,565	236
35556	Aquila	9	52 40.39	3,244	97 38 31.6	4,569	100
35557	Sagittarius.. <i>o</i>	4	52 41.16	3,596	112 1 8.8	4,571	172
35558	Sagittarius.. <i>o</i>	4	52 41.47	+3,596	112 1 9.6	4,571	173
35559	Draco.....	8	52 42.51	-1,856	14 48 33.0	4,573	360
35560	Aquila	8	18 52 43.38	+3,036	88 30 21.0	-4,574	94

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35561	Vulpecula	7	h m s 18 52 44.66	+2,564	68° 45' 37.5	-4,576	105
35562	Aquila	6	52 44.83	+2,884	81 54 2.6	4,576	88
35563	Draco	9½	52 44.83	-0,514	19 55 18.0	4,576	359
35564	Hercules	9	52 45.68	+2,411	63 10 44.3	4,577	238
35565	Sagittarius	9	52 45.72	+3,675	114 56 55.1	4,577	566
35566	Draco . . . . .	.	52 45.99	-1,855	14 48 37.5	4,578	359
35567	Hercules	8½	52 46.14	+2,411	63 10 52.3	4,578	23
35568	Hercules	8	52 50.25	2,430	63 48 39.0	4,583	104
35569	Hercules	8	52 50.39	2,425	63 39 3.8	4,584	104
35570	Sagittarius	8½	52 53.01	3,409	104 36 50.6	4,587	298
35571	Lyra	8½	52 53.41	1,645	42 25 37.5	4,588	386
35572	Aquila	8½	52 54.41	2,856	80 41 40.5	4,589	87
35573	Aquila	7½	52 56.44	2,741	75 50 43.0	4,593	103
35574	Lyra	7	52 57.36	1,793	46 32 57.0	4,594	10
35575	Sagittarius	9	52 59.23	3,396	104 3 41.1	4,596	298
35576	Aquila	7½	53 2.22	2,954	84 56 6.7	4,600	90
35577	Lyra	7½	53 2.23	2,209	56 31 47.6	4,601	294
35578	Lyra	7	53 3.04	2,209	56 31 49.0	4,603	19
35579	Serpens	8½	53 5.43	2,989	86 26 45.0	4,606	92
35580	Serpens	9	53 7.42	2,988	86 25 24.0	4,608	92
35581	Aquila	9	53 7.97	2,883	81 50 42.3	4,609	III
35582	Sagittarius	8½	53 8.12	3,495	108 5 6.9	4,609	171
35583	Sagitta	7½	53 8.37	2,624	71 6 25.8	4,610	93
35584	Hercules	5	53 9.55	2,434	63 58 56.0	4,611	28
35585	Hercules	6	53 9.71	2,434	63 58 57.0	4,611	104
35586	Sagitta	7	53 10.88	2,625	71 9 8.7	4,613	93
35587	Hercules	8½	53 11.24	2,407	63 1 57.9	4,613	238
35588	Hercules	8½	53 12.15	2,407	63 2 1.0	4,615	23
35589	Lyra	8	53 12.38	1,867	47 15 30.5	4,615	237
35590	Lyra	7½	53 12.53	1,867	47 15 27.5	4,615	295
35591	Lyra	8½	53 14.17	2,140	54 27 7.1	4,617	15
35592	Sagittarius	8	53 16.98	3,471	107 8 40.5	4,621	300
35593	Vulpecula	8	53 19.38	2,528	67 23 22.6	4,625	105
35594	Vulpecula	8	53 19.64	2,530	67 28 15.5	4,626	101
35595	Vulpecula	7	53 20.04	2,544	68 0 50.3	4,626	105
35596	Lyra	8½	53 20.36	1,836	46 32 8.8	4,627	10
35597	Sagittarius	8	53 23.58	3,675	114 57 31.3	4,631	566
35598	Aquila	6	53 25.35	3,035	88 27 25.6	4,634	94
35599	Aquila	7	53 28.05	2,738	75 42 39.7	4,637	103
35600	Lyra	8	18 53 28.62	+2,063	52 16 40.6	-4,638	13

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35601	Lyra	8	18 53 28,95	+2,063	52 16 37,5	-4,638	297
35602	Lyra	6½	53 30,29	2,341	60 45 26,8	4,640	21
35603	Lyra	7	53 32,98	2,208	56 28 17,3	4,644	294
35604	Lyra	6	53 34,25	2,208	56 28 26,6	4,646	19
35605	Vulpecula	9	53 35,24	2,523	67 11 35,3	4,648	105
35606	Vulpecula	8	53 35,50	2,523	67 11 25,0	4,648	101
35607	Sagitta	8½	53 38,75	2,640	71 43 37,5	4,652	80
35608	Aquila	7½	53 40,34	3,094	91 5 33,4	4,655	96
35609	Sagittarius....	8	53 41,52	3,471	107 9 5,8	4,657	171
35610	Sagittarius....	8	53 41,73	3,471	107 9 10,6	4,657	300
35611	Aquila	7½	53 43,37	3,206	95 58 2,1	4,659	236
35612	Lyra	7	53 44,79	1,858	47 1 17,2	4,661	295
35613	Lyra	7½	53 44,80	1,858	47 1 25,0	4,661	237
35614	Draco.....	.	53 45,79	1,571	40 57 9,4	4,662	387
35615*	Draco.....	6	53 45,81	1,571	40 56 59,1	4,662	386
35616	Cygnus	6	53 45,89	1,571	40 57 3,4	4,662	387
35617	Lyra	6½	53 46,10	1,962	49 35 21,0	4,663	12
35618	Lyra	8½	53 47,36	1,690	43 18 59,6	4,664	240
35619	Draco.....	9	53 49,41	1,411	38 5 37,0	4,668	330
35620	Sagittarius....	8	53 50,70	3,749	117 34 31,5	4,670	175
35621	Aquila	8	53 50,95	2,794	78 1 38,1	4,670	170
35622	Serpens	7½	53 52,25	2,961	85 12 43,9	4,672	90
35623	Sagitta	8	53 52,76	2,645	71 54 16,8	4,673	80
35624	Aquila	7½	53 54,00	2,887	81 59 13,1	4,674	88
35625	Aquila	8½	53 54,26	3,274	98 56 11,9	4,675	296
35626	Aquila	8	53 54,32	3,275	98 56 14,3	4,675	100
35627	Draco.....	8½	53 56,55	0,027	23 8 23,7	4,678	362
35628	Aquila	7½	53 57,75	3,088	90 48 31,6	4,679	96
35629	Lyra	8	53 59,07	2,253	57 53 4,9	4,681	20
35630	Aquila	8	54 0,67	3,083	90 34 47,9	4,684	96
35631	Draco.....	8	54 0,87	1,490	39 27 41,2	4,684	358
35632	Aquila	8	54 2,82	3,262	98 24 12,4	4,687	100
35633	Lyra	9	54 4,16	2,148	54 39 10,8	4,689	15
35634	Lyra	8	54 6,19	1,923	48 35 27,8	4,691	295
35635	Sagittarius....	9	54 11,35	3,537	109 46 11,2	4,699	172
35636	Aquila	7	54 13,38	2,862	80 54 44,1	4,702	87
35637	Aquila	7½	54 17,23	2,957	85 2 21,3	4,708	90
35638	Lyra	9	54 20,61	2,380	62 4 19,5	4,712	238
35639	Aquila	7½	54 22,88	3,168	94 19 31,4	4,715	108
35640*	Aquila	7½	18 54 23,07	+3,168	94 19 25,6	-4,715	568

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35641	Lyra	9	18 54 24.03	+1,697	43 26 36.4	-4,718	240
35642	Aquila A	6½	54 24.06	3,168	94 18 56.5	4,718	568
35643	Aquila A	5	54 24.48	3,168	94 18 57.6	4,718	108
35644	Lyra	6½	54 25.22	2,214	56 39 25.4	4,719	294
35645	Lyra	6	54 25.68	2,215	56 39 30.3	4,720	19
35646	Sagittarius.. r	4	54 26.71	3,759	117 56 47.2	4,721	567
35647	Sagittarius.. r	4	54 26.86	3,759	117 56 50.0	4,721	175
35648	Aquila	•	54 27.89	3,353	102 17 40.5	4,723	113
35649	Lyra	7	54 30.12	1,900	48 0 55.7	4,726	237
35650	Lyra	6½	54 30.44	1,900	48 0 54.9	4,726	295
35651	Aquila	8	54 32.77	3,416	104 56 28.9	4,730	298
35652	Vulpecula	8½	54 34.07	2,515	66 54 8.1	4,732	101
35653	Aquila	8	54 36.58	2,817	78 58 52.4	4,735	170
35654	Lyra	9	54 39.02	1,699	43 28 6.3	4,739	240
35655	Sagitta	7	54 39.57	2,672	73 0 0.0	4,739	80
35656	Aquila	•	54 41.55	3,013	87 29 13.9	4,742	94
35657	Lyra	8½	54 42.34	1,935	48 51 49.5	4,742	237
35658	Lyra	8	54 42.78	1,935	48 51 47.8	4,743	295
35659	Aquila	8½	54 43.59	3,003	87 3 32.5	4,744	92
35660	Aquila	9	54 43.60	2,821	79 10 35.7	4,744	170
35661	Lyra	8	54 50.04	2,349	60 59 19.2	4,753	21
35662	Lyra	8	54 50.36	2,349	60 59 20.9	4,754	23
35663	Aquila	8	54 52.00	2,887	81 59 19.7	4,756	88
35664	Aquila	8	54 55.88	3,097	91 13 20.0	4,762	96
35665	Sagittarius....	8	54 56.45	3,615	112 47 22.8	4,763	173
35666	Aquila	•	54 56.88	3,111	91 48 3.9	4,763	98
35667	Vulpecula	8	55 0.63	2,509	66 39 20.6	4,768	101
35668	Sagittarius....	8½	55 1.50	3,670	114 49 3.7	4,769	566
35669	Aquila	7½	55 2.57	2,717	74 49 9.9	4,772	82
35670	Aquila	8	55 4.79	3,384	103 35 23.5	4,774	298
35671	Sagittarius....	8½	55 6.72	3,463	106 50 33.2	4,777	171
35672	Aquila	8	55 6.98	2,777	77 17 16.0	4,777	103
35673	Hercules	7½	55 7.07	2,449	64 27 25.5	4,777	104
35674	Vulpecula	7	55 7.32	+2,572	69 1 2.6	4,778	105
35675	Draco.....	9	55 7.43	-0,540	19 47 31.7	4,778	359
35676	Aquila	8	55 8.12	+3,387	103 44 51.2	4,779	298
35677	Aquila	8	55 9.09	3,344	101 56 16.4	4,780	113
35678	Aquila	8½	55 9.10	3,345	101 56 23.9	4,780	113
35679	Draco	•	55 11.18	1,508	39 44 39.2	4,784	387
35680	Draco.....	6	18 55 11.30	+1,508	39 44 37.6	-4,784	358

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35681	Draco.....	.	18 55 11.45	+1,508	39 44 40.8	-4.784	387
35682	Aquila	7	55 11.63	3,297	99 55 15.2	4.784	296
35683	Lyra	7½	55 14.30	1,933	48 47 35.2	4.788	237
35684	Sagitta	7	55 14.33	2,667	72 44 5.2	4.788	80
35685	Lyra	7	55 14.34	1,932	48 47 28.6	4.788	295
35686	Lyra	8	55 14.93	2,072	52 28 11.7	4.789	13
35687	Lyra	8	55 15.74	2,072	52 28 10.1	4.790	297
35688	Vulpecula	8½	55 16.30	2,443	64 13 48.2	4.790	104
35689	Aquila	8	55 16.65	2,883	81 48 39.0	4.792	88
35690	Vulpecula	8	55 17.76	2,517	66 55 54.7	4.793	101
35691	Aquila	7½	55 18.13	3,350	102 9 57.7	4.794	113
35692	Aquila	8	55 18.22	3,350	102 9 56.3	4.794	113
35693	Sagittarius....	7½	55 21.93	3,455	106 31 18.1	4.798	116
35694	Sagittarius....	8	55 25.76	3,480	107 32 8.5	4.804	171
35695	Draco.....	6½	55 31.13	0,287	25 0 34.3	4.811	362
35696	Aquila .....	.	55 36.31	3,092	90 58 31.1	4.819	96
35697	Aquila	6½	55 36.91	2,856	80 38 52.1	4.820	87
35698	Aquila λ	3	55 37.72	3,187	95 10 9.2	4.821	108
35699	Aquila λ	.	55 37.98	3,187	95 10 7.9	4.821	568
35700	Aquila λ	3	55 38.75	3,187	95 10 8.9	4.821	236
35701	Sagitta	8	55 39.32	2,663	72 35 59.9	4.823	80
35702	Lyra	4½	55 39.97	1,640	42 14 34.3	4.825	386
35703	Sagittarius....	7½	55 42.46	3,735	117 7 52.8	4.828	567
35704	Aquila .....	.	55 44.35	3,095	91 7 42.4	4.831	96
35705	Lyra	8	55 45.93	1,694	43 20 29.4	4.833	386
35706	Lyra	9	55 46.55	2,278	58 36 23.5	4.834	20
35707	Lyra	5½	55 46.99	+1,694	43 20 32.8	4.835	240
35708	Draco.....	8	55 49.52	-0,815	18 28 26.4	4.839	360
35709	Aquila	7	55 49.82	+2,711	74 33 11.1	4.839	82
35710	Aquila	8	55 52.37	3,392	103 57 36.0	4.842	298
35711	Draco.....	9	55 53.55	1,409	38 0 36.3	4.844	330
35712	Aquila	8	55 54.81	3,102	91 24 24.4	4.845	98
35713	Sagittarius....	7	56 0.98	3,674	114 57 12.3	4.854	566
35714	Vulpecula	8½	56 1.83	2,567	68 49 11.8	4.855	105
35715	Aquila	7	56 2.09	2,927	83 44 21.9	4.856	90
35716	Lyra	7½	56 2.86	1,872	47 17 16.9	4.857	10
35717	Aquila	8	56 6.08	2,818	79 1 14.8	4.862	170
35718	Aquila ζ	3	56 13.41	2,756	76 25 20.2	4.872	103
35719	Aquila	6½	56 13.99	3,107	91 38 22.8	4.873	98
35720	Vulpecula	7	18 56 14.07	+2,518	66 57 32.0	-4.873	101

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35721	Aquila	7½	18	56	14.33	+2,853	80 31 11.4	-4,873	87
35722	Vulpecula	7		56	14.56	2,518	66 57 37.4	4,873	28
35723	Draco.....	9		56	17.74	0,342	25 26 14.0	4,877	362
35724	Vulpecula	8½		56	18.29	2,589	69 39 56.1	4,878	93
35725	Sagittarius....	8½		56	18.78	3,790	119 2 6.3	4,879	175
35726	Lyra	7		56	19.15	2,408	62 58 6.0	4,879	23
35727	Lyra	8		56	19.97	2,408	62 58 1.8	4,881	238
35728	Sagittarius....	9		56	22.50	3,427	105 25 10.9	4,883	116
35729	Vulpecula	8		56	24.28	2,573	69 3 2.9	4,887	105
35730	Lyra	7½		56	24.82	1,867	47 10 5.5	4,888	10
35731	Lyra	8		56	25.31	1,994	50 19 57.1	4,889	12
35732	Aquila	9		56	28.74	3,377	103 20 17.0	4,894	298
35733	Lyra	8		56	29.40	2,146	54 32 40.3	4,895	15
35734	Sagittarius....	7		56	31.12	3,685	115 22 42.8	4,897	567
35735	Sagittarius....	6½		56	31.46	3,531	109 35 22.0	4,898	172
35736	Vulpecula	8		56	32.08	2,451	64 30 12.9	4,898	104
35737	Vulpecula	7		56	32.60	2,451	64 30 16.9	4,899	25
35738	Lyra	8		56	33.60	1,679	42 59 54.3	4,900	386
35739	Lyra	7½		56	34.28	1,679	42 59 55.2	4,901	240
35740	Lyra	7		56	35.20	2,199	56 8 9.1	4,903	294
35741	Lyra	7		56	35.82	2,199	56 8 13.5	4,904	19
35742	Aquila	9		56	36.04	3,188	95 11 39.9	4,904	568
35743	Aquila	8½		56	36.16	3,188	95 11 37.8	4,905	108
35744	Aquila	8		56	38.78	3,382	103 31 42.8	4,908	298
35745	Sagittarius....	7		56	38.79	3,633	113 29 16.8	4,908	566
35746	Aquila	7		56	39.53	2,914	83 8 24.8	4,909	88
35747	Sagittarius....	6		56	39.99	3,575	111 17 16.4	4,909	173
35748	Vulpecula	8½		56	45.59	+2,515	66 51 33.9	4,917	101
35749	Draco..... u	5½		56	47.45	-0,702	18 58 19.3	4,920	359
35750	Draco..... u	6		56	48.75	-0,702	18 58 17.1	4,921	360
35751	Draco.....	9½		56	48.86	+0,315	25 12 13.3	4,921	362
35752	Aquila	7½		56	49.51	2,920	83 24 11.2	4,922	90
35753	Vulpecula	7½		56	52.10	2,450	64 27 13.6	4,927	104
35754	Vulpecula	6		56	53.11	2,450	64 27 16.8	4,928	25
35755	Aquila	8		56	55.38	3,042	88 46 25.6	4,932	94
35756	Lyra	7½		56	55.75	2,202	56 12 13.0	4,932	294
35757	Lyra	7		56	56.68	2,202	56 12 16.3	4,933	19
35758	Aquila	6½		56	57.14	3,062	89 39 17.3	4,934	96
35759	Lyra	8		56	57.42	2,384	62 6 16.8	4,934	23
35760	Lyra	8	18	56	57.68	+2,145	54 30 26.9	-4,934	15

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35761	Lyra	8½	18 56 58.10	+2,383	62 6 10.6	-4,935	238
35762	Lyra	8	56 58.80	1,997	50 22 40.8	4,937	12
35763	Sagittarius....	7	57 0.97	3,522	109 15 11.0	4,940	171
35764	Aquila	9	57 1.81	3,189	95 15 19.8	4,941	108
35765	Aquila	8½	57 2.20	3,189	95 15 22.2	4,941	568
35766	Aquila	8	57 6.32	3,102	91 25 17.9	4,946	98
35767	Aquila	9	57 7.55	2,757	76 27 9.8	4,949	103
35768	Aquila	8	57 10.25	3,255	98 8 45.0	4,952	100
35769	Vulpecula	7½	57 11.11	2,448	64 22 7.4	4,953	104
35770	Aquila	7½	57 11.39	3,375	103 15 26.5	4,954	298
35771	Vulpecula	6	57 11.62	2,448	64 22 13.4	4,955	25
35772	Aquila	8½	57 14.84	2,761	76 36 52.0	4,960	103
35773	Sagittarius....	9	57 15.36	3,513	108 54 2.6	4,960	171
35774	Lyra	5	57 15.74	2,308	59 33 31.4	4,961	21
35775	Sagitta	7½	57 17.10	2,709	74 26 6.1	4,963	82
35776	Sagittarius....	7	57 17.32	3,742	117 25 3.1	4,963	567
35777	Sagittarius....	7½	57 17.43	3,742	117 25 4.4	4,963	175
35778	Aquila	8	57 19.72	2,988	86 24 8.9	4,966	92
35779	Lyra	6	57 20.78	2,277	58 32 37.6	4,967	20
35780	Lyra	8	57 23.33	1,989	50 10 19.4	4,971	12
35781	Lyra	7½	57 24.07	1,916	48 18 59.9	4,972	237
35782	Draco.....	6	57 24.30	1,413	38 1 27.8	4,972	330
35783	Lyra	8½	57 24.99	1,916	48 18 55.4	4,973	295
35784	Sagittarius....	6½	57 28.33	3,510	108 47 27.0	4,977	171
35785	Sagittarius....	8	57 29.17	3,632	113 28 36.7	4,978	566
35786	Lyra	8½	57 29.76	2,064	51 11 3.1	4,979	297
35787	Lyra	7½	57 30.41	2,064	51 11 10.0	4,980	13
35788	Cygnus	9	57 33.27	1,562	40 39 38.3	4,984	358
35789	Aquila	6	57 33.51	2,823	79 13 28.5	4,985	170
35790	Aquila	5	57 33.88	2,823	79 13 32.5	4,985	87
35791	Aquila	8	57 35.87	3,105	91 34 39.1	4,989	98
35792	Vulpecula	9	57 38.30	2,589	69 38 54.5	4,992	93
35793	Aquila	8	57 38.89	3,036	88 30 59.7	4,992	94
35794	Aquila	8	57 46.10	2,707	74 20 31.9	5,002	82
35795	Aquila	8	57 46.70	3,372	103 9 40.9	5,003	298
35796	Sagittarius....	9	57 49.78	3,444	106 8 42.0	5,007	116
35797	Sagittarius... π	4	57 51.53	3,575	111 19 21.6	5,010	172
35798	Sagittarius... π	4	57 52.11	3,575	111 19 37.4	5,012	173
35799	Aquila	7	57 55.29	2,918	83 18 57.5	5,016	111
35800	Aquila	7½	18 57 55.50	+2,918	83 18 55.0	-5,017	90

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35801	Vulpecula	8	18 57 57.10	+2,535	67° 34' 3.6"	-5.018	105
35802	Lyra	8½	58 0.18	2,042	51 33 5.3	5.023	297
35803	Lyra	8	58 0.38	2,042	51 33 3.1	5.023	13
35804	Lyra	7½	58 0.45	2,357	61 10 57.2	5.023	238
35805	Lyra	•	58 0.92	2,357	61 10 56.2	5.023	23
35806	Lyra	8½	58 1.00	2,366	61 28 37.5	5.023	238
35807	Aquila	8½	58 1.79	3,278	99 7 18.6	5.024	111
35808	Aquila	8	58 3.08	3,250	97 55 19.9	5.027	100
35809	Lyra	9	58 3.18	2,144	54 26 48.3	5.027	15
35810	Aquila	7	58 4.65	3,047	89 0 14.2	5.029	96
35811	Aquila	7	58 4.79	3,047	89 0 7.5	5.029	94
35812	Lyra	6½	58 5.09	2,333	60 22 28.7	5.029	21
35813	Draco	8½	58 6.68	1,454	38 42 13.4	5.031	330
35814	Vulpecula	7½	58 6.68	2,531	67 24 23.1	5.032	105
35815	Sagittarius	7	58 7.32	3,387	103 45 38.6	5.032	298
35816	Lyra	7	58 7.39	1,838	46 24 52.7	5.032	10
35817	Vulpecula	7½	58 15.54	2,595	69 51 54.5	5.044	93
35818	Aquila	8	58 16.18	3,236	97 19 10.7	5.046	236
35819	Vulpecula	6½	58 18.03	2,495	66 2 51.2	5.048	101
35820	Vulpecula	5	58 18.20	2,495	66 2 57.3	5.048	28
35821	Vulpecula	7½	58 22.35	2,550	68 7 28.8	5.054	105
35822	Lyra	9	58 22.89	1,939	48 51 52.1	5.055	237
35823	Draco	9	58 26.55	1,459	38 46 43.3	5.060	330
35824	Aquila	7	58 26.69	3,128	92 35 35.2	5.060	98
35825	Lyra	8½	58 26.84	1,990	50 10 10.6	5.060	12
35826	Lyra	9	58 29.89	1,837	46 22 53.3	5.065	10
35827	Cygnus	•	58 32.76	1,563	40 39 40.7	5.069	387
35828	Cygnus	•	58 33.38	1,563	40 39 41.3	5.070	387
35829	Cygnus	6½	58 33.65	1,563	40 39 40.2	5.070	387
35830	Sagitta	7½	58 36.50	2,699	74 41.7	5.075	82
35831	Aquila	8	58 38.94	2,872	81 19 7.5	5.078	88
35832	Aquila	8	58 38.97	2,858	80 43 21.7	5.078	87
35833	Vulpecula	7½	58 39.60	2,540	67 43 12.3	5.079	105
35834	Aquila	7½	58 39.90	+3,234	97 13 9.3	5.079	236
35835	Draco	7½	58 41.33	-0,357	20 40 59.6	5.081	359
35836	Lyra	6	58 41.49	+2,372	61 40 42.4	5.082	238
35837	Lyra	•	58 41.52	2,372	61 40 37.3	5.082	23
35838	Sagitta	7½	58 42.11	2,704	74 13 57.1	5.082	82
35839	Lyra	7	58 42.71	1,747	44 22 27.7	5.083	240
35840	Cygnus	9	18 58 43.02	+1,604	41 25 45.8	-5.083	386

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35841	Aquila	8½	18 58 43.89	+2,961	85 11 5.7	-5,084	92
35842	Lyra	9	58 48.89	1,940	48 52 36.0	5,092	237
35843	Sagittarius....	8	58 49.02	3,659	114 29 33.4	5,093	566
35844	Sagitta	7½	58 49.62	2,700	74 3 51.9	5,093	82
35845	Lyra	8	58 49.69	2,144	54 24 57.8	5,093	15
35846	Aquila	9	58 50.82	2,869	81 10 17.0	5,094	88
35847	Aquila	7	58 52.43	3,046	88 57 12.7	5,097	96
35848	Aquila	7	58 52.85	3,046	88 57 12.0	5,097	94
35849	Aquila	8	58 55.74	2,840	79 55 23.0	5,101	87
35850	Lyra	8½	58 56.30	2,194	55 53 12.5	5,101	296
35851	Sagitta	6	58 58.88	2,685	73 25 59.3	5,106	80
35852	Cygnus	7½	58 59.56	1,549	40 22 35.0	5,106	358
35853	Vulpecula	8½	58 59.84	2,488	65 46 29.3	5,107	101
35854	Lyra	7½	59 3.04	1,910	48 7 5.7	5,112	295
35855	Lyra	8	59 3.13	1,910	48 7 13.1	5,112	237
35856	Sagittarius....	9	59 6.01	3,740	117 23 16.0	5,116	175
35857	Vulpecula	7½	59 9.05	2,610	70 26 28.8	5,121	93
35858	Aquila	8½	59 9.28	3,285	99 27 51.9	5,121	111
35859	Aquila	8	59 9.36	2,776	77 12 22.8	5,121	103
35860	Aquila	5½	59 12.20	2,939	84 13 43.2	5,124	90
35861	Aquila	8	59 12.76	3,160	93 59 4.4	5,125	108
35862	Aquila	7	59 13.54	2,863	80 56 24.7	5,126	87
35863	Aquila	7½	59 14.86	3,242	97 35 2.2	5,129	100
35864	Lyra	8½	59 25.71	2,219	56 39 12.0	5,144	294
35865	Aquila	7	59 26.92	2,744	75 52 3.7	5,145	103
35866	Lyra	7	59 28.72	2,093	52 54 51.5	5,147	13
35867	Sagittarius....	8½	59 29.04	3,557	110 39 33.9	5,148	172
35868	Aquila	8½	59 30.36	+3,363	102 47 21.2	5,150	113
35869	Draco.....	7½	59 31.42	-4,031	10 18 56.6	5,151	365
35870	Aquila	•	59 33.59	+2,819	79 ■ 45.4	5,154	170
35871	Aquila	8	59 33.62	2,939	84 12 50.1	5,154	90
35872	Aquila	6½	59 34.22	3,086	90 44 16.6	5,156	96
35873	Lyra	8½	59 35.56	2,264	58 3 22.7	5,157	20
35874	Sagittarius....	8	59 36.89	3,448	106 18 57.1	5,159	116
35875	Sagittarius....	8	59 37.50	3,446	106 14 4.5	5,160	300
35876	Aquila	8½	59 39.27	3,089	90 52 7.8	5,163	96
35877	Aquila	9	59 40.03	3,168	94 21 39.9	5,164	568
35878	Aquila	•	59 40.25	3,355	102 27 17.8	5,164	113
35879	Lyra	7½	59 41.20	2,137	54 10 27.0	5,165	15
35880	Sagitta	6	18 59 43.09	+2,686	73 27 0.9	-5,168	80

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35881	Vulpecula	7	18 59 44.89	+2,483	65 34 43.8	-5,170	101
35882	Lyra	8	59 44.94	2,325	60 3 23.4	5,170	21
35883	Vulpecula	6	59 45.15	2,483	65 34 51.0	5,171	28
35884	Lyra	7	59 47.89	1,942	48 53 18.6	5,175	237
35885	Lyra	5½	59 47.99	1,942	48 53 16.5	5,175	12
35886	Lyra	6½	59 48.08	1,942	48 53 13.3	5,175	295
35887	Aquila	9	59 48.81	3,101	91 23 0.5	5,176	98
35888	Lyra	6	59 50.89	2,256	57 48 9.5	5,179	296
35889	Vulpecula	8	59 51.51	2,448	64 17 34.9	5,180	104
35890	Lyra	5	59 51.80	2,256	57 48 15.3	5,181	20
35891	Aquila	7	59 51.96	2,736	75 31 49.2	5,181	103
35892	Vulpecula	7	59 52.13	2,448	64 18 36.8	5,181	25
35893	Aquila	8	59 52.52	2,805	78 26 28.2	5,181	170
35894	Aquila	8	59 52.83	2,843	80 3 57.8	5,182	87
35895	Sagittarius....	8½	59 53.18	3,432	105 39 21.3	5,182	300
35896	Sagittarius....	8	59 53.94	3,400	104 21 30.1	5,183	298
35897	Aquila	7½	59 56.05	2,811	78 40 51.6	5,187	170
35898	Sagittarius....	9	59 58.68	3,429	105 31 40.5	5,190	300
35899	Cygnus	•	59 58.99	1,551	40 22 36.8	5,190	387
35900	Cygnus	•	59 59.22	1,551	40 22 40.2	5,190	387
35901	Cygnus	6	18 59 59.83	1,551	40 22 35.7	5,192	387
35902	Sagittarius....	9½	19 0 1.54	3,558	110 41 46.0	5,194	172
35903	Vulpecula	7	0 3.21	+2,465	64 55 42.4	5,196	25
35904	Draco.....	10	0 4.97	-3,390	11 18 24.5	5,199	361
35905	Draco.....	9½	0 5.01	-0,339	20 45 9.5	5,199	359
35906	Aquila	8	0 5.44	+3,024	87 57 18.2	5,200	94
35907	Lyra	7½	0 5.58	+2,339	60 30 25.6	5,200	21
35908	Draco.....	8	0 8.26	-1,928	14 29 20.3	5,204	360
35909	Lyra	9	0 8.42	+1,939	48 47 19.3	5,204	237
35910	Aquila	•	0 8.61	+2,823	79 11 42.4	5,204	170
35911	Draco.....	8	0 8.86	-1,929	14 29 13.3	5,205	360
35912	Lyra	8½	0 9.37	+1,939	48 47 16.1	5,205	295
35913	Lyra	5	0 9.38	2,138	54 12 19.6	5,205	296
35914	Lyra	9	0 9.67	1,755	44 29 10.3	5,206	240
35915	Draco.....	8½	0 9.75	1,389	37 32 25.6	5,206	330
35916	Lyra	5½	0 9.84	2,138	54 12 16.7	5,206	15
35917	Vulpecula	8	0 11.38	2,418	63 12 39.6	5,208	104
35918	Vulpecula	8	0 11.65	2,418	63 12 45.7	5,208	238
35919	Vulpecula	8	0 12.12	2,418	63 12 47.0	5,208	23
35920	Vulpecula	8½	19 0 12.83	+2,598	69 56 15.5	-5,210	93

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35921	Aquila	7½	19	0	12,92	+3,245	97 44 22,3	-5,210	100
35922	Aquila	7		0	13,32	3,227	96 56 5,9	5,211	236
35923	Lyra	8½		0	13,85	2,207	56 15 38,2	5,212	294
35924	Lyra .....	.		0	14,23	2,196	55 54 50,2	5,212	296
35925	Lyra .....	.		0	14,25	2,196	55 54 49,8	5,212	294
35926	Lyra	6½		14,53	2,196	55 54 47,1	5,212	19	
35927	Aquila	7½		0	16,32	3,092	91 0 22,9	5,214	96
35928	Vulpecula	7		17,22	2,498	66 7 41,1	5,216	101	
35929	Vulpecula	6		0	17,61	2,498	66 7 45,1	5,217	28
35930	Lyra	9		21,68	1,755	44 29 4,2	5,223	240	
35931	Sagittarius	8½		24,59	3,699	115 59 16,7	5,226	567	
35932	Sagittarius	8		25,76	3,627	113 21 13,8	5,228	173	
35933	Lyra	9		0	28,77	1,935	48 41 0,9	5,232	295
35934	Sagittarius	7		0	32,36	3,413	104 54 4,5	5,237	298
35935	Sagittarius	8		0	32,98	3,666	114 48 22,2	5,238	566
35936	Aquila	8		33,58	2,999	86 51 28,2	5,240	92	
35937	Aquila	8½		34,32	3,170	94 26 42,6	5,240	113	
35938	Aquila	8		0	34,50	3,170	94 26 41,2	5,241	568
35939	Aquila	9		0	34,87	3,368	102 59 33,5	5,241	113
35940	Sagittarius	8½		0	38,74	3,458	106 44 40,9	5,247	116
35941	Sagittarius	8		0	39,18	3,458	106 44 44,4	5,247	171
35942	Lyra	7		0	46,95	1,960	49 15 8,3	5,258	12
35943	Aquila	7½		0	49,05	2,997	86 46 54,9	5,261	92
35944	Sagittarius	9		51,12	3,621	113 7 4,5	5,264	173	
35945	Aquila	8		51,32	3,136	92 56 53,9	5,264	98	
35946	Sagittarius	9½		53,79	3,705	116 11 45,8	5,268	567	
35947	Sagittarius	6½		0	53,79	3,705	116 13 37,1	5,268	567
35948	Lyra	8½		0	55,06	2,271	58 14 52,1	5,270	20
35949	Aquila	7½		0	55,65	3,004	87 4 14,4	5,270	92
35950	Vulpecula	9		55,87	2,530	67 19 23,6	5,271	105	
35951	Aquila	8		55,92	3,004	87 4 26,9	5,271	94	
35952	Lyra	7½		0	58,61	2,039	51 22 48,1	5,274	297
35953	Vulpecula	8		0	58,71	2,472	65 7 46,1	5,274	25
35954	Lyra	7		0	59,01	2,039	51 22 47,1	5,274	13
35955	Sagittarius	8½	1	1,60	3,528	109 32 56,9	5,278	172	
35956	Aquila	8	1	4,86	2,846	80 10 15,4	5,283	87	
35957	Lyra	6½	1	6,47	2,325	60 0 37,2	5,285	23	
35958	Aquila	9	1	7,36	3,164	94 11 51,6	5,286	113	
35959	Lyra	6½	1	7,68	1,866	46 59 40,5	5,286	10	
35960	Vulpecula	8½	19	1 7,84	+2,423	63 22 35,2	-5,287	104	

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35961	Aquila	9	19	1	8,52	+3,164	94	11	43,8
35962	Aquila	9		1	8,82	3,164	92	11	42,6
35963	Aquila	7½		1	10,28	3,146	93	22	54,4
35964	Aquila	8		1	10,55	2,977	85	52	40,9
35965	Aquila	8½		1	10,88	3,146	93	23	1,0
35966	Aquila	9		1	11,19	+3,314	100	43	0,9
35967	Draco.....	9		1	11,54	-3,323	11	24	28,0
35968	Aquila	7		1	12,75	+2,960	85	8	3,0
35969	Aquila	7		1	14,43	2,958	85	2	23,8
35970	Sagittarius....	9		1	18,85	3,534	109	48	28,8
35971	Aquila	7½		1	19,05	2,893	82	11	39,7
35972	Aquila	7		1	20,76	2,841	79	58	0,8
35973	Lyra	7½		1	26,04	2,031	51	9	20,8
35974	Lyra	7		1	26,10	2,031	51	9	20,8
35975	Lyra	9		1	26,24	2,191	55	43	7,3
35976	Lyra	9		1	26,47	2,185	55	33	4,4
35977	Lyra	7½		1	27,89	2,191	55	43	7,3
35978	Lyra	7½		1	27,91	2,185	55	33	4,4
35979	Lyra	9		1	28,22	2,185	55	33	6,0
35980	Sagittarius....	8		1	29,68	3,405	104	33	36,6
35981	Vulpecula	8½		1	29,75	2,500	66	11	9,6
35982	Cygnus	8		1	29,92	1,606	41	22	49,7
35983	Sagittarius....	7½		1	31,82	3,732	117	12	6,7
35984	Lyra	8		1	32,06	1,745	44	13	24,5
35985	Lyra	9		1	35,49	1,932	48	35	2,6
35986	Lyra	8½		1	35,83	1,932	48	35	0,5
35987	Lyra	9		1	36,22	1,752	44	22	54,7
35988	Sagittarius....	8		1	36,97	3,614	112	53	17,1
35989	Lyra	6½		1	39,15	2,318	59	44	55,0
35990	Draco.....	.		1	40,12	0,276	24	46	3,7
35991	Sagittarius....	8		1	41,94	3,518	109	10	35,8
35992	Lyra	9		1	42,78	2,191	55	43	27,5
35993	Vulpecula	8		1	43,20	2,506	66	22	58,8
35994	Vulpecula	8		1	43,30	2,506	66	23	1,7
35995	Lyra	9		1	43,53	2,191	55	43	26,2
35996	Lyra	6		1	43,73	+2,191	55	43	28,0
35997	Draco.....	8½		1	43,84	-3,304	11	25	59,5
35998	Lyra	7½		1	44,78	+2,191	55	43	27,5
35999	Lyra	7		1	44,83	2,191	55	43	21,2
36000	Lyra	6	19	1	45,23	2,192	55	43	25,0
									-5,339

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36001	Aquila	8½	19 1 46,09	+2,896	82 20 20,8	-5,340	88
36002	Lyra	8	1 46,88	2,055	51 48 13,8	5,342	13
36003	Aquila	8	1 48,48	3,199	95 43 53,7	5,344	236
36004	Lyra	7½	1 52,42	1,840	46 20 36,3	5,351	10
36005	Sagittarius....	9	1 53,37	3,600	112 21 6,1	5,352	173
36006	Cygnus	9	1 56,60	1,571	40 41 37,7	5,356	358
36007	Aquila	8	1 58,23	2,956	84 56 22,3	5,358	90
36008	Aquila	7	1 59,75	3,018	87 41 55,8	5,360	94
36009	Lyra	7½	2 0,92	1,837	46 16 32,1	5,362	11
36010	Vulpecula	8½	2 2,63	2,538	67 35 27,4	5,364	105
36011	Aquila	7½	2 3,40	2,979	85 57 49,6	5,365	92
36012	Lyra	8	2 3,59	1,701	43 16 34,4	5,365	240
36013	Sagittarius....	7½	2 4,03	3,409	104 45 59,5	5,367	298
36014	Aquila	7½	2 7,83	2,713	74 31 44,9	5,371	82
36015	Vulpecula	7½	2 8,78	2,578	69 7 45,5	5,373	93
36016	Sagittarius....	7½	2 9,65	3,600	112 23 7,3	5,374	173
36017	Aquila	8	2 11,41	2,851	80 22 0,2	5,376	87
36018	Vulpecula	8	2 11,79	2,576	69 2 41,2	5,378	93
36019	Lyra	8	2 12,87	2,042	51 24 42,5	5,379	13
36020	Cygnus	8	2 13,53	1,459	38 39 11,1	5,380	330
36021	Sagittarius....	8½	2 14,58	3,447	106 18 57,8	5,381	116
36022	Vulpecula	6	2 16,67	2,439	63 55 35,0	5,384	25
36023	Aquila	9	2 18,43	3,310	100 34 23,9	5,387	111
36024	Aquila	8	2 18,51	2,803	78 19 13,0	5,387	170
36025	Vulpecula	7½	2 19,48	2,509	66 27 58,6	5,388	101
36026	Vulpecula	7½	2 20,09	2,509	66 28 3,4	5,389	22
36027	Lyra	7	2 26,36	2,032	51 9 23,0	5,398	13
36028	Aquila	9	2 27,71	3,157	93 52 25,2	5,400	113
36029	Aquila	9	2 28,07	3,154	93 44 32,9	5,400	113
36030	Aquila	8½	2 28,56	3,157	93 52 21,6	5,401	300
36031	Cygnus	8	2 30,50	1,579	40 49 47,3	5,404	358
36032	Cygnus	8	2 30,60	1,579	40 49 43,2	5,404	386
36033	Aquila	8	2 33,62	3,167	94 18 36,7	5,408	300
36034	Aquila	8	2 33,89	3,167	94 18 33,6	5,409	108
36035	Aquila	8	2 34,16	3,312	100 40 33,1	5,409	111
36036	Sagittarius....	8½	2 34,92	3,444	106 13 37,3	5,411	116
36037	Sagittarius....	9	2 35,16	3,601	112 24 19,4	5,411	173
36038	Lyra	8½	2 35,56	2,273	58 16 20,1	5,412	20
36039	Draco.....	.	2 35,84	0,272	24 43 0,8	5,412	362
36040	Lyra	8	19 2 35,90	+2,049	51 36 12,4	-5,412	13

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36041	Sagittarius....	7	19	2	41,00	+3,400	104	22	25,6	-5,419	298
36042	Draco.....	9½		2	41,04	-0,716	18	46	58,8	5,419	360
36043	Aquila	9		2	42,67	+3,255	93	46	59,9	5,421	113
36044	Aquila	9		2	42,96	3,255	93	46	50,3	5,421	300
36045	Lyra	6½		2	44,62	2,157	54	39	20,6	5,424	15
36046	Aquila	7½		2	46,24	2,958	85	1	42,0	5,426	90
36047	Vulpecula	7		2	46,57	2,519	66	50	28,5	5,426	28
36048	Vulpecula	7½		2	46,59	2,519	66	50	21,7	5,426	101
36049	Aquila	9		2	48,50	2,802	78	15	6,6	5,429	170
36050	Vulpecula	9½		2	48,98	2,534	67	24	25,8	5,430	105
36051	Lyra	7		2	49,36	2,083	52	31	15,8	5,430	297
36052	Sagitta	8		2	50,34	2,662	72	26	17,8	5,431	80
36053	Aquila	5½		2	50,51	3,257	98	15	39,7	5,431	100
36054	Sagitta	7½		2	54,82	2,657	72	14	2,4	5,438	80
36055	Aquila	8½		2	58,42	3,353	102	24	42,1	5,443	113
36056	Vulpecula	8		2	58,80	2,578	69	6	4,7	5,443	105
36057	Sagitta	8		2	59,69	2,631	71	11	4,8	5,445	80
36058	Draco.....	9	3		2,55	0,344	25	16	42,1	5,449	362
36059	Lyra	8	3		3,68	2,159	54	43	31,6	5,450	15
36060	Lyra	8	3		6,22	2,381	61	51	4,2	5,454	239
36061	Lyra	9	3		6,76	2,381	61	51	12,9	5,455	23
36062	Aquila	8	3		7,46	2,882	81	42	52,9	5,455	88
36063	Lyra	8	3		7,54	2,287	58	40	57,2	5,455	20
36064	Draco.....	9½	3		12,84	0,362	25	25	12,1	5,463	362
36065	Aquila	7½	3		13,59	2,966	85	23	13,8	5,464	92
36066	Aquila	8½	3		16,00	2,802	78	16	4,5	5,468	170
36067	Lyra	9	3		16,47	2,073	52	14	6,4	5,468	297
36068	Sagitta	8	3		18,33	2,658	72	15	37,2	5,470	80
36069	Sagittarius....	7	3		21,42	3,656	114	30	18,9	5,475	566
36070	Vulpecula	7	3		23,20	2,431	63	35	8,1	5,478	25
36071	Cygnus .....	.	3		25,63	1,534	39	57	9,7	5,481	387
36072	Cygnus .....	.	3		25,73	1,534	39	57	9,9	5,481	387
36073	Cygnus .....	.	3		26,65	1,534	39	57	10,7	5,483	387
36074	Sagitta	7½	3		27,67	2,688	73	27	45,5	5,484	82
36075	Lyra	8	3		28,46	2,234	56	59	44,2	5,486	19
36076	Vulpecula	7	3		28,65	2,443	64	2	37,6	5,486	25
36077	Lyra	8	3		28,92	2,234	56	59	46,4	5,486	296
36078	Draco.....	9½	3		31,54	0,343	25	15	29,6	5,489	362
36079	Sagittarius....	8½	3		32,98	3,446	106	18	32,2	5,492	116
36080	Lyra	8	19	3	34,91	+2,056	51	45	32,9	-5,494	13

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36081	Sagitta	6½	19 3 36,09	+2,688	73 28 40,4	-5,495	82
36082	Vulpecula	7	3 36,15	2,444	64 4 29,5	5,495	25
36083	Sagitta	7½	3 36,34	2,650	72 19 27,2	5,495	80
36084	Draco.....	9	3 37,23	0,324	25 5 58,3	5,497	362
36085	Aquila	7½	3 37,32	2,981	86 3 43,1	5,498	92
36086	Aquila	5½	3 38,10	3,025	88 2 2,7	5,498	94
36087	Sagittarius....	8½	3 38,91	3,541	110 7 6,2	5,499	172
36088	Vulpecula	8	3 42,29	2,579	69 6 2,5	5,504	93
36089	Vulpecula	8	3 42,55	2,548	67 56 21,0	5,504	105
36090	Lyra	8	3 42,59	2,340	60 25 57,5	5,504	21
36091	Cygnus	6	3 45,41	1,417	37 53 15,8	5,509	330
36092	Aquila	8	3 46,18	3,156	93 49 34,8	5,509	108
36093	Aquila	8	3 46,54	3,156	93 49 43,3	5,511	300
36094	Aquila	8½	3 46,69	3,156	93 49 48,5	5,511	113
36095	Aquila .....	.	3 48,50	2,803	78 18 11,3	5,513	170
36096	Sagittarius....	8	3 49,98	3,671	115 3 5,0	5,515	566
36097	Aquila	8½	3 51,29	3,321	101 3 5,9	5,517	111
36098	Aquila	8	3 52,08	2,987	85 20 22,4	5,517	92
36099	Aquila	6½	3 53,15	2,953	84 48 40,0	5,520	90
36100	Sagittarius....	7½	3 53,15	3,697	115 59 57,3	5,520	567
36101	Aquila	8	3 53,87	2,858	80 38 5,8	5,521	87
36102	Sagittarius....	8	3 57,24	3,449	106 25 50,7	5,526	116
36103	Aquila	7½	3 57,75	3,103	91 28 6,7	5,527	98
36104	Sagittarius....	9	3 58,52	3,593	112 10 12,7	5,527	173
36105	Aquila	7½	3 59,54	2,819	78 58 50,4	5,529	170
36106	Vulpecula	6½	4 1,34	2,570	68 46 21,8	5,531	105
36107	Lyra	8½	4 3,04	2,034	51 9 4,1	5,534	296
36108	Vulpecula	8	4 5,10	2,520	66 52 2,9	5,537	28
36109	Lyra	7½	4 5,77	1,901	47 43 8,8	5,538	295
36110	Lyra	8	4 5,91	1,901	47 43 13,8	5,538	237
36111	Lyra	6	4 5,99	2,299	59 2 28,0	5,538	20
36112	Lyra	7½	4 7,61	1,925	48 18 3,4	5,540	237
36113	Lyra	7½	4 8,47	1,818	45 45 42,3	5,542	11
36114	Aquila	7	4 8,52	2,732	75 17 30,7	5,542	103
36115	Aquila	8	4 10,50	2,734	75 23 7,8	5,544	103
36116	Aquila	8½	4 12,44	2,742	75 42 37,3	5,546	103
36117	Sagittarius....	8	4 13,69	3,782	119 0 3,9	5,549	175
36118	Aquila	9½	4 13,89	3,106	91 38 2,9	5,549	98
36119	Aquila	8½	4 17,13	3,153	93 43 3,9	5,552	113
36120	Vulpecula	8½	19 4 17,82	+2,428	63 28 50,8	-5,554	104

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36121	Aquila	8	19	4	18,63	+3,153	93 42 59,2	-5,555	108
36122	Aquila	7		4	18,94	2,873	81 17 49,6	5,555	88
36123	Aquila	8½		4	19,02	3,153	93 42 58,7	5,556	300
36124	Aquila	7		4	21,30	3,274	99 2 49,7	5,559	100
36125	Lyra	7		4	21,89	2,049	51 32 15,2	5,560	13
36126	Lyra .....	.		4	21,99	2,049	51 32 14,3	5,560	297
36127	Vulpecula	6		4	23,43	2,431	63 35 4,9	5,562	104
36128	Sagittarius....	8½		4	28,77	3,512	108 59 28,6	5,569	171
36129	Lyra	8½		4	30,01	1,935	48 32 54,5	5,572	237
36130	Lyra	7½		4	30,25	1,935	48 32 44,6	5,572	295
36131	Cygnus	8½		4	34,38	1,409	37 43 48,4	5,577	330
36132	Aquila	8½		4	35,10	3,152	93 39 38,7	5,578	113
36133	Aquila	8		4	35,11	3,152	93 39 36,0	5,578	108
36134	Aquila	8½		4	35,52	3,152	93 39 41,6	5,580	300
36135	Lyra	8		4	38,60	2,338	60 19 12,8	5,584	21
36136	Sagittarius....	9		4	38,99	3,592	112 7 54,1	5,584	174
36137	Aquila	6		4	39,65	3,213	96 23 8,7	5,585	99
36138	Lyra	8		4	40,64	2,269	58 4 25,7	5,586	20
36139	Aquila	8		4	41,62	3,152	93 41 10,9	5,588	109
36140	Aquila	8½		4	42,02	3,152	93 41 14,6	5,589	300
36141	Cygnus .....	.		4	42,69	1,573	40 38 20,3	5,589	358
36142	Lyra .....	.		4	44,57	1,988	49 53 42,5	5,591	12
36143	Lyra	8		4	50,23	2,202	55 57 1,8	5,601	296
36144	Lyra .....	.		4	50,24	2,202	55 57 1,9	5,601	19
36145	Aquila	8		4	51,20	2,973	85 42 42,8	5,602	92
36146	Aquila	7½		4	56,01	2,811	78 37 12,4	5,608	170
36147	Aquila	7		4	56,57	2,941	84 17 6,5	5,608	90
36148	Aquila	8½		4	56,82	3,147	93 27 7,9	5,610	113
36149	Aquila	7½		4	57,94	3,147	93 26 55,8	5,610	109
36150	Aquila	8		4	58,40	3,143	93 16 55,6	5,611	300
36151	Cygnus	7½		4	59,51	1,638	41 52 50,4	5,613	386
36152	Sagittarius....	8½		5	2,31	3,584	111 50 1,3	5,616	174
36153	Lyra	7½		5	3,54	2,361	61 5 53,6	5,618	239
36154	Sagittarius....	8½		5	3,83	3,596	112 17 10,4	5,618	174
36155	Lyra .....	.		5	3,91	2,361	61 6 2,0	5,618	23
36156	Aquila	9		5	4,67	3,346	102 8 31,0	5,619	113
36157	Lyra	7		5	5,83	2,007	50 22 21,8	5,622	12
36158	Lyra	8		5	7,84	2,004	50 18 19,8	5,624	12
36159	Aquila	8½		5	8,49	3,145	93 22 36,9	5,624	109
36160	Aquila	7½	19	5	8,57	+2,895	82 14 19,9	-5,624	88

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36161	Lyra	8	19	5	10,59	+2,127	53	41	57,2	-5,628	15
36162	Sagittarius....	8½		5	10,62	3,453	106	37	0,1	5,628	116
36163	Aquila	9		5	11,48	3,024	87	57	39,7	5,630	94
36164	Sagittarius....	8½		5	11,96	3,591	112	5	21,5	5,630	174
36165	Lyra	7		5	14,90	2,027	50	54	27,1	5,633	13
36166	Lyra	7½		5	15,01	2,142	54	8	47,6	5,633	15
36167	Aquila	8½		5	17,75	3,122	92	54	56,6	5,637	98
36168	Lyra	8½		5	18,10	2,337	60	17	4,3	5,639	21
36169	Aquila	8		5	19,74	3,340	101	54	26,1	5,641	113
36170	Sagitta	8		5	20,85	2,650	71	53	5,7	5,643	80
36171	Vulpecula	8		5	20,95	2,479	65	18	13,6	5,643	101
36172	Vulpecula	9		5	21,03	2,479	65	18	13,4	5,643	28
36173	Aquila	7½		5	22,10	3,274	99	1	45,9	5,644	111
36174	Aquila	8		5	22,41	3,274	99	1	39,1	5,644	100
36175	Aquila	8		5	26,10	2,725	74	57	49,8	5,649	82
36176	Sagitta	8½		5	27,93	2,635	71	16	12,6	5,652	93
36177	Lyra	9		5	28,12	1,923	48	13	14,9	5,653	237
36178	Lyra	8½		5	38,94	2,366	61	14	29,4	5,667	239
36179	Vulpecula	6		5	40,13	2,460	64	34	30,8	5,669	25
36180	Lyra	8		5	41,49	1,934	48	29	25,1	5,671	295
36181	Lyra	8½		5	41,54	1,934	48	29	34,0	5,671	237
36182	Sagittarius....	8½		5	43,01	3,447	106	23	24,8	5,674	116
36183	Aquila	7		5	43,87	2,846	80	7	25,0	5,674	87
36184	Lyra	7		5	44,91	1,958	49	5	24,8	5,676	295
36185	Aquila	7½		5	45,86	3,326	101	18	40,9	5,678	111
36186	Lyra	8		5	46,47	1,850	46	26	23,9	5,678	11
36187	Sagittarius....	9		5	47,65	3,679	115	24	49,0	5,680	567
36188	Aquila	8½		5	49,21	3,137	93	■	15,6	5,682	98
36189	Sagittarius....	8½		5	55,52	3,447	106	24	51,7	5,692	116
36190	Sagittarius... d	8		5	55,62	3,519	109	17	43,1	5,692	172
36191	Sagittarius... d	6		5	55,75	3,519	109	17	41,7	5,692	171
36192	Sagittarius....	8		5	56,27	3,512	109	2	33,3	5,693	171
36193	Lyra	8		5	56,86	2,028	50	50	4,5	5,693	13
36194	Lyra	8		5	57,76	2,200	55	51	3,4	5,694	296
36195	Lyra	8		5	58,25	2,200	55	51	0,6	5,696	19
36196	Sagittarius....	8½		6	1,32	3,534	111	50	54,0	5,699	174
36197	Sagitta	8½		6	2,32	2,649	71	50	55,2	5,701	80
36198	Vulpecula	7½		6	2,67	2,481	65	19	18,0	5,702	28
36199	Vulpecula	7		6	2,76	2,481	65	19	17,2	5,702	101
36200	Aquila	8	19	6	6,58	+2,732	75	15	13,9	-5,707	82

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36201	Sagitta	8	19 6 6,89	+2,622	70° 44' 36,6	-5,707	93
36202	Sagittarius....	8½	6 6,91	3,409	104 50 38,1	5,707	298
36203	Aquila	9	6 7,99	2,732	75 15 13,7	5,709	103
36204	Aquila	8	6 9,07	2,815	78 46 25,0	5,710	170
36205	Sagittarius....	8	6 11,78	+3,445	106 18 34,0	5,714	116
36206	Draco.....	7½	6 11,92	-2,377	13 14 34,5	5,714	360
36207	Aquila	5½	6 13,08	+2,732	75 15 13,8	5,716	83
36208	Aquila	6½	6 13,99	2,732	75 15 11,6	5,718	103
36209	Lyra	9	6 19,06	1,857	46 35 39,7	5,724	11
36210	Aquila	8½	6 20,86	3,182	94 59 37,5	5,727	300
36211	Aquila	8	6 21,43	3,182	94 59 46,7	5,727	99
36212	Aquila	8½	6 21,54	2,809	78 30 3,5	5,728	170
36213	Lyra	8	6 21,80	2,378	61 38 59,7	5,728	239
36214	Sagittarius....	9	6 22,36	3,706	116 25 3,4	5,729	567
36215	Lyra	9	6 22,74	2,203	55 55 48,5	5,729	19
36216	Cygnus	8½	6 22,97	1,447	38 18 16,4	5,729	330
36217	Lyra	8½	6 23,23	2,203	55 55 51,4	5,729	296
36218	Sagittarius....	8	6 28,71	3,516	109 12 29,2	5,737	172
36219	Sagittarius....	8	6 29,42	3,516	109 12 33,2	5,738	171
36220	Aquila	8½	6 32,90	3,173	94 37 16,4	5,744	109
36221	Aquila	7½	6 33,44	2,867	81 0 41,1	5,744	87
36222	Lyra	8	6 34,42	2,330	59 59 8,3	5,745	21
36223	Aquila .....	.	6 34,56	3,121	92 17 18,5	5,745	98
36224	Lyra	7	6 35,96	1,694	42 57 20,6	5,748	386
36225	Aquila	5½	6 36,81	2,969	85 30 20,0	5,749	90
36226	Aquila	6	6 36,94	2,969	85 30 21,6	5,749	92
36227	Lyra	6½	6 37,02	1,694	42 57 24,4	5,749	240
36228	Sagittarius....	8½	6 37,45	3,444	106 18 3,7	5,749	116
36229	Lyra	8	6 39,22	2,043	51 17 47,8	5,751	12
36230	Vulpecula	8	6 39,48	2,434	63 36 29,2	5,753	25
36231	Lyra	8½	6 39,86	2,043	51 17 50,3	5,753	297
36232	Vulpecula	5½	6 40,21	2,581	69 6 25,9	5,753	105
36233	Sagittarius....	9	6 40,96	3,705	116 23 25,0	5,754	567
36234	Lyra	9	6 41,38	2,372	61 26 27,4	5,755	239
36235	Aquila	8	6 41,59	2,729	75 7 2,4	5,755	83
36236	Aquila	7	6 41,90	2,627	80 55 13,5	5,755	93
36237	Sagitta	6	6 43,34	2,649	71 49 26,9	5,758	80
36238	Lyra	7	6 44,52	2,136	53 54 42,5	5,759	15
36239	Sagittarius....	8	6 47,67	3,512	109 2 37,9	5,763	172
36240	Sagittarius....	9	19 6 48,38	+3,513	109 4 57,2	-5,765	171

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36241	Aquila	7	19	6	49.07	+2,929	83° 44' 39.5"	-5,766	90
36242	Lyra	8		6	50.75	2,210	56 7 18.4	5,768	19
36243	Lyra	7½		6	51.18	2,210	56 7 18.5	5,769	296
36244	Aquila	9		6	52.02	3,336	101 45 55.7	5,771	113
36245	Cygnus	•		6	53.75	1,571	40 30 55.9	5,773	387
36246	Cygnus	8		6	54.24	1,571	40 30 52.4	5,773	358
36247	Cygnus	•		6	54.49	1,571	40 30 51.9	5,773	387
36248	Aquila	7½		6	54.53	3,061	89 36 5.3	5,773	96
36249	Cygnus	8		6	54.71	1,571	40 30 45.3	5,775	358
36250	Cygnus	•		6	54.94	1,571	40 30 46.9	5,775	387
36251	Cygnus	•		6	55.38	1,571	40 30 47.6	5,775	387
36252	Sagittarius....	8		6	55.59	3,599	112 27 1.2	5,776	174
36253	Lyra	7		6	56.99	2,040	51 11 24.2	5,777	13
36254	Lyra	6		6	57.22	2,040	51 11 25.1	5,777	297
36255	Lyra	5½		6	57.25	2,040	51 11 25.5	5,777	12
36256	Aquila	8		6	58.11	3,066	89 50 42.0	5,779	96
36257	Lyra	•		6	58.71	3,400	62 22 43.2	5,780	23
36258	Aquila	8		7	1.90	3,296	100 1 55.7	5,784	111
36259	Sagittarius....	9		7	2.18	3,513	109 5 1.1	5,784	172
36260	Cygnus	9		7	4.39	1,413	37 41 42.6	5,788	330
36261	Aquila	8		7	4.63	3,337	101 47 39.7	5,788	114
36262	Sagittarius....	9		7	5.23	3,393	104 10 1.7	5,789	298
36263	Lyra	7½		7	8.28	2,199	55 46 48.1	5,793	296
36264	Lyra	7½		7	8.44	2,199	55 46 39.9	5,793	19
36265	Lyra	8		7	9.68	2,046	51 21 37.3	5,794	13
36266	Lyra	7		7	12.36	2,284	58 28 44.6	5,798	20
36267	Vulpecula	7½		7	13.09	2,605	70 2 9.9	5,799	93
36268	Aquila	•		7	17.24	2,746	75 47 47.9	5,805	103
36269	Aquila	8½		7	18.06	2,814	78 41 11.5	5,806	170
36270	Aquila	8		7	18.23	2,911	82 56 45.1	5,806	88
36271	Sagittarius....	7½		7	19.95	3,410	104 53 12.0	5,809	298
36272	Aquila	8		7	22.04	+2,809	78 29 51.1	5,812	170
36273	Draco.....	8½		7	22.28	-1,134	16 56 4.6	5,812	360
36274	Lyra	9		7	22.47	+1,941	48 35 40.9	5,813	295
36275	Lyra	8½		7	23.42	1,849	46 20 55.9	5,815	11
36276	Lyra	8		7	25.21	2,146	54 10 28.3	5,816	15
36277	Aquila	8½		7	29.44	2,867	81 15 18.6	5,822	87
36278	Aquila	8		7	31.11	2,727	74 59 36.8	5,825	83
36279	Vulpecula	4½		7	37.06	2,577	68 57 10.2	5,833	105
36280	Vulpecula	8½	19	7	37.59	+2,524	66 53 37.3	-5,833	101

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36281	Aquila	7½	19	7	37.74	+3,098	91 17 21.4	-5,834	98
36282	Lyra	5½		7	38.64	2,325	59 48 50.5	5,835	21
36283	Lyra	5½		7	39.05	2,325	59 48 52.2	5,835	23
36284	Sagittarius....	8		7	41.93	3,443	106 15 30.1	5,839	116
36285	Aquila	7		7	42.30	3,032	88 18 48.3	5,840	94
36286	Aquila	8½		7	42.76	3,100	91 21 19.5	5,841	98
36287	Lyra	8		7	44.47	2,367	61 12 55.7	5,843	239
36288	Sagittarius....	8½		7	45.72	3,600	112 31 54.7	5,845	174
36289	Aquila	8½		7	46.77	3,324	101 14 20.7	5,846	111
36290	Aquila	8		7	47.60	2,966	85 22 37.6	5,848	92
36291	Lyra	9		7	49.38	1,959	49 2 0.8	5,851	237
36292	Vulpecula	8		7	51.65	2,488	65 33 16.2	5,853	28
36293	Lyra	6		7	53.66	2,415	62 53 14.2	5,856	20
36294	Lyra	6		7	53.78	2,415	62 53 15.7	5,856	25
36295	Vulpecula	8½		7	54.66	2,516	66 35 43.7	5,857	101
36296	Aquila	8½		7	54.77	3,325	101 16 46.7	5,857	111
36297	Sagitta	8½		7	55.07	2,711	74 21 9.5	5,859	83
36298	Lyra	6½		7	58.51	2,401	62 25 0.0	5,862	239
36299	Lyra	6		7	58.70	2,402	62 25 5.7	5,862	23
36300	Sagitta	7		8	0.52	2,638	71 21 55.5	5,865	80
36301	Sagitta	8		8	1.06	2,709	74 15 11.3	5,866	83
36302	Vulpecula	7		8	1.72	2,431	63 28 27.2	5,866	25
36303	Aquila	8½		8	4.24	2,912	82 58 39.8	5,870	■
36304	Sagitta	8		8	4.31	2,642	71 31 14.7	5,870	80
36305	Aquila	7½		8	6.12	3,207	96 7 21.3	5,873	99
36306	Vulpecula	8		8	12.32	2,599	69 47 6.2	5,882	93
36307	Sagittarius....	7½		8	13.95	3,400	104 30 20.0	5,884	298
36308	Sagittarius....	8½		8	14.58	3,528	109 43 10.4	5,886	172
36309	Lyra	7		8	14.69	2,311	59 18 10.6	5,886	21
36310	Lyra	7		8	15.04	2,311	59 18 8.9	5,886	20
36311	Lyra	7		8	15.65	2,305	59 6 10.4	5,887	21
36312	Lyra	7		8	16.54	2,305	59 6 8.7	5,888	20
36313	Aquila	6		8	17.47	3,068	89 55 46.4	5,889	96
36314	Aquila	8		8	20.99	3,162	94 7 27.7	5,894	109
36315	Aquila	8		8	21.53	3,162	94 7 27.9	5,895	301
36316	Aquila	5		8	21.65	3,053	89 15 55.1	5,895	94
36317	Aquila	6		8	22.25	3,053	89 15 58.8	5,896	96
36318	Cygnus	8		8	23.50	1,650	41 59 25.0	5,898	386
36319	Aquila ∞	6		8	25.94	2,815	78 45 14.1	5,900	170
36320	Aquila	8½	19	8	27.12	+2,968	85 27 46.3	-5,903	92

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36321	Cygnus	8½	19	8	28,62	+1,779	44	42	54,4	-5,905	240
36322	Aquila	7½		8	29,56	2,963	85	13	14,9	5,906	92
36323	Aquila	7		8	29,78	2,963	85	13	11,5	5,906	90
36324	Lyra	8		8	29,91	2,058	51	38	13,8	5,906	13
36325	Sagittarius....	8		8	31,65	3,654	114	33	31,9	5,909	566
36326	Aquila	6		8	36,99	3,070	90	■	46,5	5,917	96
36327	Sagittarius....	6½		8	38,28	3,606	112	45	34,3	5,919	174
36328	Sagittarius....	6		8	38,43	3,606	112	45	34,4	5,919	566
36329	Aquila	9		8	38,66	3,335	101	43	5,7	5,919	114
36330	Sagittarius....	8½		8	41,23	3,676	115	23	6,7	5,922	567
36331	Vulpecula ....	.		8	43,36	2,551	67	55	20,4	5,925	105
36332	Aquila	9		8	43,64	3,203	95	58	4,5	5,926	99
36333	Sagittarius....	7½		8	47,34	3,407	104	48	27,3	5,930	298
36334	Vulpecula	9		8	54,71	2,434	63	31	59,8	5,941	25
36335	Cygnus	8		8	56,65	1,578	40	34	31,6	5,944	358
36336	Vulpecula	7½		8	57,40	2,567	68	32	8,0	5,945	105
36337	Lyra	7½		8	57,66	1,800	45	10	7,7	5,946	240
36338	Aquila	9		8	57,72	3,186	95	13	16,6	5,946	301
36339	Draco.....	.		8	58,90	0,091	23	12	27,8	5,947	362
36340	Draco.....	7		8	59,37	0,248	24	21	16,0	5,947	362
36341	Sagitta	7½		9	0,81	2,642	71	30	8,4	5,950	81
36342	Lyra	8		9	1,20	2,309	59	12	28,1	5,950	21
36343	Lyra	8		9	1,54	2,309	59	12	25,3	5,951	20
36344	Lyra	9		9	2,97	1,950	48	45	2,0	5,953	237
36345	Cygnus	8		9	4,61	1,383	37	7	41,4	5,955	330
36346	Lyra	6½		9	4,89	1,997	49	59	0,0	5,955	12
36347	Vulpecula ....	.		9	9,56	2,551	67	54	36,2	5,962	105
36348	Aquila	8		9	12,65	2,748	75	52	44,0	5,967	103
36349	Lyra	7½		9	13,79	2,247	57	13	13,0	5,968	19
36350	Lyra	7		9	14,08	2,247	57	13	10,0	5,968	296
36351	Vulpecula	8		9	15,37	2,609	70	9	26,1	5,970	93
36352	Vulpecula	6		9	15,49	2,537	67	19	28,3	5,970	568
36353	Vulpecula	5		9	16,11	2,536	67	19	29,3	5,970	28
36354	Draco.....	6		9	18,53	0,234	24	14	1,5	5,974	362
36355	Lyra .....	.		9	19,86	2,007	50	13	45,1	5,976	12
36356	Aquila	6		9	20,18	2,861	80	43	58,2	5,977	87
36357	Lyra	8		9	20,34	2,378	61	33	33,5	5,977	239
36358	Lyra	8½		9	20,49	2,378	61	33	42,1	5,977	23
36359	Aquila	8		9	22,20	3,316	100	55	1,8	5,980	111
36360	Sagittarius....	7½	19	9	24,65	+3,707	116	31	25,1	-5,983	567

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36361	Lyra θ	6	19	9	25.35	+2,080	52 12 50.4	-5,984	297
36362	Lyra θ	•		9	25.45	2,080	52 12 48.8	5,984	13
36363	Cygnus	7		9	26.82	1,794	45 0 39.3	5,985	240
36364	Sagitta	7½		9	31.19	2,695	73 39 13.6	5,992	83
36365	Sagittarius....	8½		9	34.28	3,707	116 32 10.3	5,996	567
36366	Aquila	8		9	34.34	2,852	80 18 29.2	5,996	87
36367	Aquila	7½		9	35.79	2,918	83 12 41.5	5,998	28
36368	Aquila	8		9	36.01	2,918	83 12 45.1	5,999	90
36369	Sagitta	7		9	45.00	2,700	73 51 49.8	6,012	83
36370	Aquila	8		9	45.07	3,333	101 39 35.9	6,012	114
36371	Vulpecula	7½		9	49.97	2,500	65 56 43.4	6,019	28
36372	Vulpecula	7		9	50.10	2,500	65 56 42.9	6,019	101
36373	Aquila..... f	5½		9	51.73	3,199	95 46 37.4	6,020	59
36374	Lyra	8		9	51.91	2,054	51 28 2.8	6,022	13
36375	Aquila	9		9	52.24	3,354	102 36 44.7	6,022	114
36376	Sagittarius....	7½		9	53.52	3,524	109 35 36.9	6,023	172
36377	Sagitta	8½		9	57.47	2,662	72 16 41.9	6,029	81
36378	Lyra	8		9	57.90	2,045	51 12 59.4	6,030	13
36379	Aquila	8	10	0	6.2	3,202	95 55 35.8	6,033	99
36380	Aquila	7½	10	1	1.15	+2,903	82 33 39.0	6,034	38
36381	Draco.....	7½	10	2	5.0	-0,797	18 15 20.8	6,036	360
36382	Vulpecula	7	10	3	0.8	+2,624	70 44 42.5	6,037	93
36383	Sagittarius.. ρ ⁱ	5	10	3	7.0	3,489	108 12 33.3	6,038	171
36384	Sagittarius....	8½	10	4	7.4	3,376	103 29 51.8	6,039	298
36385	Aquila	7	10	4	9.0	3,107	91 40 18.1	6,039	98
36386	Cygnus	5½	10	5	3.5	1,565	40 16 37.2	6,039	387
36387	Aquila	8	10	5	6.9	2,756	76 10 40.0	6,039	103
36388	Cygnus	6½	10	6	1.0	1,565	40 16 32.3	6,040	358
36389	Cygnus	5½	10	6	2.7	1,565	40 16 35.8	6,040	387
36390	Aquila	9	10	10	5.8	2,953	84 45 38.8	6,046	90
36391	Aquila	8	10	10	5.8	2,953	84 46 8.9	6,046	90
36392	Sagittarius.. ρ ^v	6½	10	10	7.5	3,500	108 39 56.2	6,046	171
36393	Aquila	•	10	12	9.8	3,178	94 51 39.3	6,050	109
36394	Aquila	8	10	13	0.4	3,178	94 51 47.1	6,050	113
36395	Aquila	7	10	13	1.4	3,178	94 51 40.4	6,050	301
36396	Sagittarius.. η	6	10	16	0.2	3,443	106 18 58.1	6,054	116
36397	Aquila..... δ	6	10	16	0.4	3,098	91 15 7.5	6,054	96
36398	Vulpecula	7½	10	16	6.3	2,456	64 17 47.8	6,054	25
36399	Aquila	6	10	16	7.6	3,098	91 15 4.9	6,054	98
36400	Lyra	7	19	10	17.53	+2,314	59 19 55.7	-6,056	20

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36401	Lyra	7	19 10 17,69	+2,314	59 19 57,4	-6,056	21
36402	Lyra	7	10 17,90	2,049	51 19 29,3	6,057	13
36403	Sagittarius....	8½	10 20,26	3,521	109 29 0,8	6,060	172
36404	Sagittarius....	7½	10 20,45	3,774	119 25 40,7	6,060	175
36405	Aquila	8	10 21,89	3,307	100 32 11,0	6,061	111
36406	Sagittarius....	8	10 25,72	3,397	104 23 43,1	6,067	298
36407	Aquila	7	10 25,87	2,971	85 34 30,6	6,067	92
36408	Cygnus	8	10 26,78	1,612	41 10 15,5	6,068	386
36409	Lyra	6½	10 30,40	2,046	51 13 52,1	6,074	13
36410	Aquila	9	10 33,65	3,311	100 43 51,6	6,078	111
36411	Lyra	8	10 33,77	2,078	52 44 30,7	6,078	297
36412	Lyra	8	10 35,06	1,965	49 5 15,8	6,081	237
36413	Lyra	7	10 35,65	1,965	49 5 11,4	6,081	295
36414	Aquila	7½	10 36,22	3,012	87 25 28,9	6,082	94
36415	Cygnus	8	10 38,17	1,739	43 45 17,7	6,085	240
36416	Lyra	9	10 40,25	2,197	55 35 23,6	6,088	19
36417	Vulpecula	8	10 41,91	2,622	70 38 21,0	6,089	93
36418	Vulpecula	8	10 44,16	2,524	66 48 51,6	6,094	101
36419	Aquila	9½	10 45,16	3,312	100 45 36,6	6,095	111
36420	Aquila	7½	10 46,36	3,104	91 32 14,5	6,096	98
36421	Lyra	8½	10 47,66	2,217	56 13 10,5	6,098	296
36422	Vulpecula	7½	10 49,46	2,530	67 3 9,2	6,101	28
36423	Vulpecula	7½	10 49,56	+2,530	67 3 9,8	6,101	101
36424	Draco.....	8½	10 50,03	-2,610	12 38 33,3	6,102	361
36425	Draco.....	8	10 50,42	-0,836	18 3 52,9	6,102	360
36426	Sagittarius....	8½	10 53,53	+3,518	109 23 11,8	6,106	172
36427	Draco.....	.	10 56,45	0,116	23 19 37,2	6,110	362
36428	Aquila	7½	10 57,44	2,859	80 37 18,1	6,112	87
36429	Cygnus	8	10 59,54	1,655	41 59 38,1	6,115	386
36430	Aquila	8	10 59,88	2,757	76 13 10,6	6,115	103
36431	Lyra	7	11 0,05	2,423	63 5 44,6	6,115	239
36432	Lyra	6	11 0,33	2,423	63 5 45,4	6,116	25
36433	Lyra	7	11 0,95	2,423	63 5 47,7	6,116	23
36434	Vulpecula	8	11 1,08	2,550	67 47 15,1	6,117	105
36435	Lyra	7	11 3,22	2,432	63 25 32,4	6,119	25
36436	Lyra	7½	11 3,54	2,433	63 25 27,0	6,120	239
36437	Lyra	7	11 3,72	2,433	63 25 32,0	6,120	23
36438	Lyra	7½	11 4,60	2,234	56 44 41,0	6,122	296
36439	Lyra	8	11 4,73	2,224	56 24 41,2	6,122	19
36440	Sagittarius....	8	19 11 6,18	+3,390	104 5 52,4	-6,124	298

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36441	Lyra	6	19 11 7,62	+1,722	43 22 12,1	-6,125	240
36442	Aquila	8½	11 9,72	3,185	95 10 40,9	6,130	301
36443	Aquila	8	11 9,74	3,185	95 10 39,6	6,130	109
36444	Aquila	7	11 11,94	2,964	85 14 47,5	6,132	92
36445	Lyra	9	11 13,90	1,961	48 56 49,0	6,135	295
36446	Lyra	9	11 14,62	1,961	48 56 55,5	6,137	237
36447	Aquila	6	11 19,85	2,799	77 59 0,6	6,144	170
36448	Sagittarius....	8½	11 21,23	3,517	109 20 52,4	6,145	172
36449	Sagittarius....	9	11 21,95	3,399	104 29 34,3	6,146	298
36450	Aquila	8	11 23,54	3,119	92 12 11,8	6,148	98
36451	Sagittarius....	8	11 24,43	3,397	104 24 13,9	6,149	298
36452	Aquila	8	11 27,20	3,183	95 6 9,1	6,153	113
36453	Aquila	7½	11 27,20	3,183	95 6 4,3	6,153	109
36454	Sagitta	9	11 27,50	2,693	73 31 15,4	6,153	83
36455	Aquila	8	11 27,70	3,183	95 6 3,7	6,155	301
36456	Aquila	8½	11 28,52	3,340	101 59 15,4	6,155	114
36457	Aquila	8	11 28,99	3,213	96 24 39,6	6,156	99
36458	Aquila	8½	11 29,06	2,964	85 14 18,4	6,156	92
36459	Aquila	8	11 30,42	2,807	78 19 25,1	6,158	170
36460	Aquila	8	11 30,92	2,751	75 56 31,0	6,159	103
36461	Lyra	6½	11 35,11	2,242	56 58 8,5	6,165	19
36462	Vulpecula	8	11 36,19	2,519	66 35 58,8	6,166	101
36463	Aquila	8½	11 37,05	2,892	82 3 32,3	6,167	■
36464	Lyra	9	11 39,18	2,216	56 9 9,2	6,170	296
36465	Aquila	7½	11 39,38	2,858	80 32 50,7	6,170	87
36466	Vulpecula	7	11 41,32	2,638	71 15 56,4	6,173	81
36467	Vulpecula	8	11 41,94	2,638	71 15 54,4	6,173	93
36468	Aquila	9	11 48,10	2,879	81 29 34,1	6,182	88
36469	Lyra	8½	11 48,27	2,103	52 46 13,3	6,182	297
36470	Lyra	6	11 48,30	2,103	52 46 22,3	6,183	15
36471	Aquila	8½	11 49,09	3,177	94 50 48,5	6,183	109
36472	Aquila	9½	11 49,09	3,178	94 50 55,3	6,183	113
36473	Lyra	•	11 49,66	2,287	58 23 38,8	6,184	20
36474	Lyra	6½	11 49,71	2,283	58 15 56,7	6,184	20
36475	Vulpecula	8	11 50,32	2,640	71 21 11,6	6,186	81
36476	Vulpecula	8½	11 50,32	2,640	71 21 12,2	6,186	93
36477	Cygnus	8	11 55,46	1,677	42 24 22,2	6,193	386
36478	Lyra	6½	11 58,26	2,108	52 54 51,5	6,195	297
36479	Lyra	•	11 58,50	2,108	52 54 59,0	6,197	13
36480	Vulpecula	7	19 11 58,69	+2,441	63 42 51,2	-6,197	25

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36481	Vulpecula	8½	19 11 58,70	+2,526	66 51 42,9	-6,197	101
36482	Lyra	6	11 58,79	2,108	52 54 55,3	6,197	15
36483	Vulpecula	7	11 59,69	2,441	63 42 3,2	6,198	25
36484	Sagittarius....	6	12 1,28	3,753	118 14 12,9	6,201	567
36485	Cygnus	8	12 1,52	1,581	40 30 6,9	6,201	358
36486	Sagittarius. ?..	6	12 1,65	3,753	118 14 12,2	6,201	175
36487	Aquila	7	12 2,77	3,160	94 5 6,0	6,203	301
36488	Lyra	9	12 3,99	1,954	48 44 51,9	6,204	237
36489	Aquila	5½	12 4,36	3,083	90 36 3,2	6,204	96
36490	Lyra	9	12 4,56	1,954	48 44 45,6	6,205	295
36491	Aquila	7½	12 6,87	3,319	101 4 27,5	6,209	114
36492	Lyra	8	12 7,01	2,406	62 27 5,5	6,209	239
36493	Aquila	7½	12 7,13	3,318	101 4 19,1	6,209	111
36494	Vulpecula	8	12 7,33	2,644	71 28 39,5	6,209	81
36495	Aquila	8	12 7,94	2,746	75 43 45,3	6,210	103
36496	Aquila	8½	12 8,66	2,950	83 15 53,9	6,210	90
36497	Sagittarius....	8½	12 10,35	3,439	106 10 58,6	6,213	116
36498	Vulpecula	-	12 10,94	2,637	71 13 19,0	6,215	93
36499	Vulpecula	7	12 11,31	2,637	71 13 20,1	6,215	81
36500	Vulpecula	8	12 12,40	2,570	68 33 5,5	6,216	105
36501	Sagittarius....	8	12 15,41	3,472	107 33 55,3	6,221	171
36502	Aquila	6	12 16,12	3,243	97 46 11,7	6,222	101
36503	Lyra	6½	12 16,92	2,003	50 ■ 1,0	6,222	12
36504	Sagittarius....	9	12 17,02	3,608	112 56 36,8	6,222	566
36505	Vulpecula	7	12 21,92	2,560	68 9 56,9	6,229	105
36506	Aquila	8½	12 23,20	3,084	90 39 10,1	6,232	96
36507	Sagittarius....	8½	12 23,63	3,609	112 59 32,3	6,232	566
36508	Sagittarius....	9	12 24,48	3,609	112 59 31,1	6,233	174
36509	Aquila	7	12 26,22	2,833	79 27 0,3	6,235	87
36510	Draco..... δ	3	12 27,91	0,030	22 41 27,3	6,237	362
36511	Aquila	6½	12 29,23	3,261	98 33 54,3	6,238	101
36512	Cygnus x	3½	12 29,49	1,383	36 59 45,4	6,240	330
36513	Lyra	6½	12 36,28	2,113	53 1 16,3	6,249	297
36514	Lyra	6	12 36,29	2,113	53 1 15,7	6,249	13
36515	Lyra	8	12 37,29	2,113	53 1 17,0	6,250	15
36516	Sagittarius....	8	12 37,84	3,608	112 56 43,8	6,251	566
36517	Sagittarius....	8	12 37,95	3,608	112 56 38,6	6,252	174
36518	Aquila	8	12 38,93	+2,749	75 49 19,2	6,253	103
36519	Draco.....	9½	12 40,78	-0,819	18 5 50,3	6,256	360
36520	Sagittarius....	8½	19 12 47,07	+3,515	109 18 1,5	-6,265	172

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36521	Lyra	8½	19 12 48,18	+2,219	56 11 2,0	-6,266	296
36522	Lyra	6½	12 48,31	2,266	57 41 20,5	6,266	20
36523	Lyra	8½	12 48,64	2,219	56 11 1,9	6,266	19
36524	Lyra	8½	12 52,36	1,971	49 8 25,1	6,271	237
36525	Lyra	8½	12 52,67	1,971	49 8 20,7	6,272	295
36526	Cygnus	8½	12 53,53	1,834	45 48 1,9	6,273	11
36527	Lyra	7	12 55,91	2,008	50 5 48,7	6,276	12
36528	Aquila	9	12 58,24	3,176	94 46 29,7	6,279	109
36529	Lyra	8	12 59,88	1,969	49 5 28,9	6,282	237
36530	Lyra	8	13 0,18	1,969	49 5 27,7	6,282	295
36531	Aquila	9	13 1,31	3,288	99 45 6,0	6,284	111
36532	Aquila	7	13 5,50	2,886	81 45 52,9	6,290	89
36533	Sagittarius χ^1	5½	13 5,92	+3,659	114 52 55,9	6,290	174
36534	Draco.....	8	13 6,55	-0,785	18 14 4,2	6,291	360
36535	Sagittarius....	9	13 8,52	+3,410	104 59 31,9	6,294	115
36536	Sagittarius....	8½	13 8,55	3,410	104 59 31,3	6,294	298
36537	Aquila	8½	13 9,92	3,108	91 44 19,9	6,296	98
36538	Sagitta	8½	13 12,02	2,699	73 42 53,8	6,299	83
36539	Sagittarius χ^2	8	13 12,06	3,656	114 47 19,9	6,300	174
36540	Vulpecula	6½	13 13,08	2,471	64 45 48,6	6,300	25
36541	Aquila	8	13 13,79	3,090	90 54 46,3	6,302	96
36542	Aquila	6	13 16,43	2,856	80 27 55,7	6,306	87
36543	Cygnus	7	13 17,04	1,599	40 47 39,9	6,306	386
36544	Cygnus	7	13 17,23	1,599	40 47 42,2	6,307	358
36545	Cygnus	•	13 17,41	1,599	40 47 42,2	6,308	387
36546	Cygnus	6	13 18,12	1,599	40 47 46,9	6,308	387
36547	Vulpecula	8	13 20,60	2,528	66 54 22,4	6,311	101
36548	Aquila	8	13 22,48	2,737	75 18 38,1	6,313	103
36549	Vulpecula	6½	13 22,57	2,472	64 47 37,6	6,314	25
36550	Sagittarius χ^3	6	13 22,74	3,644	114 20 17,8	6,314	174
36551	Lyra	8½	13 23,26	2,211	55 55 10,5	6,314	296
36552	Aquila	7½	13 24,39	3,200	95 52 29,0	6,316	99
36553	Vulpecula	7½	13 26,07	2,553	67 51 50,0	6,318	105
36554	Aquila	8	13 26,65	3,287	99 42 40,6	6,319	111
36555	Aquila	8	13 29,54	3,362	102 59 24,6	6,323	114
36556	Aquila	8	13 29,78	2,787	77 27 21,0	6,323	104
36557	Sagittarius....	8½	13 30,42	3,419	105 24 0,9	6,324	116
36558	Lyra	9	13 37,34	2,421	62 55 43,6	6,334	239
36559	Vulpecula	8½	13 40,61	2,528	66 54 1,2	6,339	101
36560	Vulpecula	8	19 13 41,27	+2,553	67 50 9,8	-6,339	105

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36561	Lyra	6½	19 13 41,87	+2,022	50 26 27,7	-6,340	12
36562	Sagittarius....	7½	13 43,80	3,604	112 49 32,1	6,343	174
36563	Aquila	7½	13 44,05	2,866	80 51 41,2	6,343	87
36564	Aquila	9	13 44,13	3,344	102 13 4,4	6,343	114
36565	Draco.....	8½	13 44,44	0,115	23 14 14,8	6,343	362
36566	Aquila	7	13 45,07	2,893	82 5 38,2	6,345	89
36567	Aquila	8	13 47,21	3,173	94 39 46,1	6,348	109
36568	Cygnus	8	13 49,28	1,453	38 6 58,2	6,351	330
36569	Lyra	8	13 49,66	2,338	60 0 27,1	6,351	21
36570	Lyra	7½	13 50,09	2,350	60 26 53,5	6,352	21
36571	Cygnus	7½	13 51,75	1,816	45 20 9,9	6,353	240
36572	Aquila	7	13 51,99	2,885	81 42 49,4	6,353	89
36573	Lyra	9	13 52,23	2,214	56 0 33,4	6,354	296
36574	Lyra	8	13 53,11	2,256	57 18 46,5	6,356	20
36575	Lyra	9	13 56,02	1,978	49 17 10,6	6,359	295
36576	Vulpecula	8	13 57,49	2,562	68 11 4,1	6,361	105
36577	Aquila	9	13 58,63	3,289	99 49 32,8	6,363	111
36578	Aquila	7½	14 0,26	2,740	75 27 5,0	6,365	103
36579	Lyra	8½	14 1,56	1,984	49 26 23,8	6,367	295
36580	Sagittarius....	8½	14 2,49	3,407	104 54 13,9	6,368	115
36581	Lyra	8	14 2,51	2,217	56 4 55,5	6,368	296
36582	Sagittarius....	8	14 2,54	3,407	104 54 16,7	6,368	298
36583	Lyra	8½	14 3,27	2,217	56 4 54,1	6,369	19
36584	Aquila	7	14 4,57	3,198	95 47 44,4	6,371	99
36585	Sagittarius....	9½	14 4,59	3,555	110 55 37,6	6,371	172
36586	Aquila	8	14 5,97	2,870	81 4 22,4	6,374	87
36587	Aquila	8	14 10,04	2,891	81 57 46,8	6,380	89
36588	Cygnus	8½	14 11,16	1,921	47 49 3,2	6,381	237
36589	Aquila	8½	14 11,45	2,746	75 39 40,2	6,381	103
36590	Aquila	8½	14 12,56	3,337	101 53 18,8	6,383	114
36591	Sagittarius....	8	14 12,64	3,580	111 55 33,6	6,383	174
36592	Aquila	8	14 17,00	3,233	97 21 12,3	6,389	101
36593	Sagittarius....	6	14 22,85	3,586	112 9 30,7	6,397	174
36594	Aquila	7½	14 23,44	3,186	95 15 55,2	6,397	113
36595	Aquila	7	14 23,63	3,186	95 15 46,3	6,397	109
36596	Aquila	7	14 24,16	3,186	95 15 46,6	6,398	301
36597	Aquila	6	14 24,41	3,186	95 15 53,7	6,398	99
36598	Vulpecula	•	14 25,32	2,633	70 59 32,6	6,400	93
36599	Cygnus	8	14 25,73	2,430	63 12 38,7	6,400	239
36600	Cygnus	8	19 14 26,12	+2,430	63 12 45,8	-6,401	23

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36601	Cygnus	8	19 14 26,29	+2,430	63 12 44,1	-6,401	28
36602	Sagittarius....	8½	14 28,74	3,687	115 57 52,7	6,405	567
36603	Vulpecula	6½	14 29,70	2,619	70 6 11,4	6,406	93
36604	Aquila	8	14 32,09	2,955	84 48 48,7	6,409	90
36605	Cygnus	8½	14 34,02	1,846	45 59 33,4	6,412	11
36606	Sagittarius....	8	14 35,04	3,572	111 37 37,8	6,413	174
36607	Lyra	9	14 35,24	2,155	54 10 15,0	6,413	15
36608	Draco.....	9	14 38,17	0,256	24 14 30,0	6,418	362
36609	Cygnus	7½	14 39,28	1,916	47 40 54,8	6,419	237
36610	Aquila	8	14 39,31	2,822	78 56 15,7	6,419	170
36611	Vulpecula	5	14 39,66	2,455	64 6 42,1	6,419	25
36612	Aquila	8½	14 41,46	2,742	75 30 45,8	6,422	103
36613	Sagittarius....	9	14 43,56	3,555	110 58 9,5	6,425	172
36614	Aquila	9	14 43,76	+2,958	84 58 40,9	6,425	90
36615	Draco.....	9	14 44,62	-2,456	12 54 42,4	6,427	361
36616	Aquila	7	14 46,15	+3,037	88 32 41,3	6,428	94
36617	Sagittarius....	7	14 47,75	3,419	105 26 9,4	6,431	116
36618	Sagittarius....	8½	14 50,19	3,645	114 25 31,8	6,434	566
36619	Aquila	8	14 53,63	3,125	92 29 21,0	6,439	98
36620	Sagittarius....	9	14 53,69	3,423	105 35 6,2	6,439	116
36621	Aquila	8½	14 55,77	3,159	94 6 43,4	6,442	301
36622	Aquila	9	14 56,09	3,331	101 39 7,6	6,443	114
36623	Cygnus	7½	14 57,63	2,342	60 6 17,5	6,445	22
36624	Aquila	8½	15 1,18	3,279	99 23 36,8	6,449	111
36625	Sagittarius....	6	15 3,49	3,407	104 56 4,6	6,453	298
36626	Sagittarius....	7½	15 3,51	3,407	104 56 3,6	6,454	115
36627	Vulpecula	7	15 3,71	2,517	66 24 6,9	6,454	101
36628	Cygnus	6	15 4,12	2,243	56 51 19,0	6,454	296
36629	Vulpecula	6½	15 4,17	2,612	70 6 48,1	6,454	93
36630	Cygnus	6	15 4,36	2,243	56 51 21,3	6,454	19
36631	Vulpecula	8	15 5,09	2,517	66 24 6,0	6,455	28
36632	Aquila	8	15 6,51	2,803	78 5 51,2	6,457	170
36633	Aquila	7½	15 6,67	2,803	78 5 45,0	6,457	104
36634	Aquila	8	15 9,94	2,853	80 17 31,4	6,462	87
36635	Sagitta	7½	15 9,97	2,667	73 21 33,3	6,463	81
36636	Aquila	8½	15 11,71	3,339	102 0 22,9	6,465	114
36637	Vulpecula	8½	15 12,48	2,553	67 48 45,1	6,465	105
36638	Cygnus	8	15 13,32	2,040	50 53 9,2	6,468	12
36639	Aquila	8½	15 13,66	3,124	92 26 37,7	6,468	98
36640	Cygnus	8	19 15 14,21	+1,609	40 54 35,5	-6,468	386

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36641	Cygnus	8½	19 15 16,81	+2,098	52 29 19,9	-6,471	297
36642	Aquila	7½	15 16,89	3,077	90 18 55,9	6,471	96
36643	Cygnus	8½	15 16,99	2,098	52 29 20,5	6,471	13
36644	Cygnus	9	15 17,75	1,563	40 1 54,6	6,473	358
36645	Sagitta	6	15 22,47	2,693	73 25 26,2	6,479	83
36646	Aquila	3½	15 24,80	3,013	87 26 18,0	6,482	92
36647	Aquila δ	5½	15 25,71	2,812	78 28 24,5	6,483	104
36648	Aquila δ	7½	15 25,95	2,812	78 28 21,7	6,483	170
36649	Cygnus	6	15 30,51	2,253	57 10 0,4	6,491	20
36650	Cygnus	7½	15 32,16	2,258	57 18 47,4	6,492	296
36651	Sagittarius....	9	15 34,05	3,425	105 40 39,4	6,495	116
36652	Sagittarius....	8½	15 34,95	3,398	104 32 18,6	6,497	115
36653	Sagittarius....	8	15 35,03	3,397	104 31 23,6	6,497	298
36654	Cygnus	6½	15 38,20	2,109	52 47 47,1	6,501	297
36655	Cygnus	6½	15 38,64	2,109	52 47 43,7	6,501	13
36656	Sagitta	6½	15 45,73	2,693	73 25 23,0	6,512	83
36657	Sagittarius....	9	15 46,51	3,549	110 44 57,5	6,512	172
36658	Aquila	9	15 49,48	3,250	98 6 9,1	6,516	101
36659	Aquila	9	15 52,45	3,039	88 37 50,0	6,521	94
36660	Aquila	9	15 55,59	3,307	100 38 4,8	6,525	111
36661	Vulpecula	8½	15 56,33	2,581	68 51 59,9	6,526	105
36662	Aquila	8½	15 58,62	3,121	92 19 54,0	6,528	98
36663	Cygnus	6	16 1,28	2,254	57 10 2,1	6,533	296
36664	Cygnus	6	16 1,50	2,254	57 10 1,0	6,533	19
36665	Aquila	5	16 1,66	3,080	90 29 1,0	6,533	96
36666	Sagittarius....	7½	16 1,74	3,499	108 44 15,5	6,533	171
36667	Vulpecula	9	16 2,58	2,522	66 35 42,6	6,534	28
36668	Draco.....	9½	16 3,89	0,124	23 13 42,8	6,536	362
36669	Aquila	8½	16 5,05	3,000	86 51 51,4	6,537	92
36670	Vulpecula	8	16 6,50	2,563	68 10 37,0	6,540	105
36671	Aquila	7	16 8,07	2,813	78 32 19,5	6,542	170
36672	Aquila	8	16 10,83	2,919	83 11 22,1	6,546	89
36673	Sagitta	8½	16 11,62	2,652	71 44 4,7	6,546	81
36674	Cygnus .....	.	16 12,54	2,392	61 48 4,4	6,548	239
36675	Aquila	8½	16 14,24	3,039	88 36 5,8	6,551	94
36676	Cygnus	4½	16 14,45	2,362	60 45 40,4	6,551	22
36677	Cygnus	5½	16 14,58	2,362	60 45 40,2	6,551	239
36678	Sagittarius....	9	16 16,55	3,552	110 54 21,6	6,554	172
36679	Aquila ν	5	16 17,29	3,071	90 2 49,8	6,554	96
36680	Vulpecula	8	19 16 18,65	+2,527	66 45 59,6	-6,557	102

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36681	Vulpecula	8½	19 16 19,07	+2,527	66° 46' 0,7	-6,557	28
36682	Draco	6	16 19,95	-2,084	13 46 46,5	6,558	360
36683	Cygnus	6	16 21,23	+2,406	62 17 43,7	6,560	23
36684	Aquila	8	16 21,30	2,919	83 11 17,6	6,560	90
36685	Cygnus	7	16 22,84	2,269	57 39 35,4	6,563	20
36686	Cygnus	6	16 23,39	2,392	61 48 6,2	6,563	23
36687	Aquila	9	16 24,55	3,000	86 52 0,4	6,564	92
36688	Sagittarius	6½	16 26,79	3,498	108 44 55,5	6,567	171
36689	Cygnus	8	16 33,70	2,321	59 20 8,8	6,577	22
36690	Aquila	7	16 34,55	2,809	78 19 29,9	6,579	170
36691	Aquila	8½	16 34,61	3,000	86 51 9,2	6,579	92
36692	Aquila	9	16 35,42	2,753	75 55 53,4	6,580	103
36693	Aquila	9	16 36,03	3,303	100 28 26,9	6,582	111
36694	Cygnus	7	16 38,18	1,908	47 24 22,8	6,584	237
36695	Cygnus	7	16 38,25	1,908	47 24 18,0	6,585	295
36696	Aquila	8	16 38,94	2,749	75 46 33,1	6,585	103
36697	Cygnus	8	16 39,24	2,159	54 12 3,8	6,586	15
36698	Vulpecula	7	16 39,40	2,613	70 6 46,3	6,586	93
36699	Aquila	8	16 39,51	3,205	96 7 20,3	6,586	99
36700	Vulpecula	5½	16 41,84	2,624	70 34 55,9	6,589	93
36701	Vulpecula . . . .	.	16 43,07	2,525	66 40 0,3	6,591	28
36702	Vulpecula	8½	16 43,49	2,523	66 35 0,2	6,591	102
36703	Cygnus	7	16 45,14	1,453	38 0 11,2	6,594	330
36704	Vulpecula	8	16 49,27	2,588	69 5 40,8	6,599	105
36705	Aquila	8	16 54,64	2,727	74 49 18,6	6,606	83
36706	Cygnus	7	16 55,55	2,150	53 56 6,4	6,607	15
36707	Cygnus	8	16 57,69	2,093	52 16 7,3	6,610	13
36708	Aquila	8½	16 58,65	3,123	92 24 36,7	6,612	98
36709	Cygnus	7	16 58,65	2,040	50 47 36,0	6,612	12
36710	Cygnus . . . . .	.	16 58,87	+2,031	50 33 43,7	6,612	12
36711	Draco	9½	16 59,88	-0,584	19 3 51,9	6,613	360
36712	Aquila . . . . .	.	17 2,18	+3,350	102 31 57,0	6,616	114
36713	Aquila	8	17 6,14	2,727	74 50 4,5	6,622	83
36714	Aquila	8½	17 6,31	3,288	99 48 58,4	6,622	111
36715	Aquila	6½	17 6,75	2,786	77 21 22,2	6,622	103
36716	Aquila	7	17 7,72	2,814	78 32 17,7	6,624	104
36717	Vulpecula	6	17 9,75	2,493	65 26 18,1	6,627	25
36718	Cygnus	8	17 9,86	1,757	44 5 29,6	6,627	240
36719	Sagittarius	8	17 12,37	3,420	105 29 41,7	6,631	116
36720	Aquila	9	19 17 15,34	+3,291	99 55 43,7	-6,634	111

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36721	Aquila	8	19 17 15.43	+3,185	95 12 31.6	-6,634	182
36722	Aquila	7½	17 15.53	3,185	95 12 31.8	6,634	109
36723	Aquila	7½	17 15.55	3,185	95 12 30.7	6,634	301
36724	Aquila	7½	17 15.81	3,185	95 12 37.3	6,636	99
36725	Cygnus	9	17 16.07	2,224	56 10 4.6	6,636	296
36726	Aquila	9	17 16.35	3,291	99 55 53.7	6,636	111
36727	Sagittarius....	8½	17 17.95	3,397	104 33 16.0	6,639	115
36728	Sagittarius....	7½	17 18.06	3,397	104 33 17.5	6,639	298
36729	Cygnus	7	17 19.11	2,054	51 10 13.0	6,640	13
36730	Cygnus .....	.	17 19.30	2,054	51 10 8.1	6,640	12
36731	Cygnus	8½	17 23.00	1,872	46 29 31.8	6,645	11
36732	Cygnus	8	17 24.27	2,126	53 11 42.0	6,646	297
36733	Sagittarius....	5	17 24.60	3,722	117 21 29.9	6,648	174
36734	Cygnus	8	17 24.75	1,470	38 15 37.2	6,648	330
36735	Vulpecula	7	17 26.60	2,473	64 40 22.0	6,649	25
36736	Vulpecula	6½	17 29.01	2,618	70 17 20.1	6,653	93
36737	Sagittarius....	5	17 29.01	3,723	117 22 45.8	6,653	175
36738	Sagittarius....	5½	17 29.20	3,723	117 22 49.4	6,655	175
36739	Sagittarius....	5½	17 29.39	3,723	117 22 44.9	6,655	567
36740	Vulpecula	8½	17 32.10	2,487	65 11 51.1	6,658	102
36741	Aquila	7	17 34.88	2,809	78 19 40.2	6,662	104
36742	Cygnus	6	17 37.25	1,893	46 59 42.1	6,665	295
36743	Cygnus	6	17 37.84	1,893	46 59 41.3	6,665	11
36744	Aquila	9	17 38.46	2,868	80 53 37.3	6,667	87
36745	Vulpecula ....	.	17 39.02	+2,490	65 20 7.7	6,667	25
36746	Draco.....	10	17 39.49	-2,091	13 44 0.2	6,668	360
36747	Vulpecula	7½	17 39.69	+2,490	65 20 11.2	6,668	102
36748	Aquila	8½	17 39.74	3,283	99 35 58.4	6,668	111
36749	Aquila	8	17 41.88	3,108	91 43 56.6	6,671	98
36750	Vulpecula	6	17 43.93	2,623	70 29 39.3	6,674	93
36751	Aquila	7	17 45.71	3,030	88 13 4.2	6,677	94
36752	Cygnus	7½	17 46.86	2,071	51 37 15.1	6,677	13
36753	Aquila	8	17 47.31	3,102	91 28 57.9	6,679	98
36754	Vulpecula	6½	17 47.41	2,614	70 7 41.8	6,679	93
36755	Aquila	8	17 48.24	3,088	90 48 47.9	6,680	96
36756	Aquila	8½	17 48.46	2,995	86 37 34.1	6,680	92
36757	Cygnus	7½	17 49.45	2,389	61 37 40.6	6,682	239
36758	Cygnus	8	17 49.79	2,389	61 37 46.2	6,682	23
36759	Cygnus	8	17 54.26	2,167	54 23 8.2	6,688	15
36760	Cygnus	9	19 17 54.38	+1,685	42 18 47.1	-6,688	386

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36761	Cygnus	9	19 17 54.61	+1,953	48 27 47.5	-6,688	237
36762	Cygnus	9	18 1 26	2,129	53 15 48.0	6,697	297
36763	Aquila	8	18 4.17	3,082	90 34 54.3	6,702	96
36764	Aquila	8	18 4.44	2,880	81 25 49.6	6,702	89
36765	Cygnus	7	18 4.92	2,226	56 11 45.5	6,702	296
36766	Cygnus	7½	18 4.93	2,226	56 11 41.8	6,702	19
36767	Cygnus	8½	18 7.31	2,392	61 44 40.6	6,707	239
36768	Cygnus	8½	18 7.78	2,392	61 44 45.1	6,707	23
36769	Vulpecula	7½	18 7.84	2,579	68 44 17.7	6,707	105
36770	Cygnus	7½	18 8.74	1,574	40 6 46.3	6,708	358
36771	Sagittarius....	8	18 9.52	3,425	105 45 22.8	6,709	116
36772	Vulpecula	8	18 9.74	2,592	69 13 45.3	6,709	105
36773	Aquila	8	18 10.76	2,960	85 2 41.4	6,711	90
36774	Cygnus	8	18 12.07	2,125	53 8 29.7	6,713	297
36775	Cygnus	7	18 13.02	1,762	43 56 48.1	6,714	240
36776	Aquila	8½	18 16.69	3,219	96 44 14.4	6,719	99
36777	Sagittarius....	9	18 18.84	3,527	109 57 13.5	6,722	172
36778	Vulpecula	8½	18 19.72	2,593	69 17 10.2	6,723	105
36779	Aquila	7½	18 21.49	2,800	77 54 20.2	6,725	104
36780	Cygnus	8½	18 21.79	1,671	42 □ 40.3	6,726	386
36781	Aquila .....	.	18 21.98	2,758	76 6 39.7	6,726	103
36782	Aquila	8	18 23.24	2,956	84 51 37.0	6,728	90
36783	Sagittarius....	7½	18 25.23	3,361	103 2 37.5	6,732	114
36784	Sagittarius....	9	18 25.39	3,391	104 17 45.0	6,732	298
36785	Cygnus	6	18 26.14	2,430	63 4 26.6	6,732	28
36786	Sagittarius....	8½	18 26.30	3,523	109 47 7.1	6,733	173
36787	Cygnus	8½	18 27.41	1,447	37 48 59.4	6,735	330
36788	Sagittarius....	8	18 32.41	3,393	104 24 16.4	6,741	298
36789	Sagitta	6	18 33.94	2,663	72 5 49.1	6,742	81
36790	Sagittarius....	8	18 35.22	3,440	106 22 28.8	6,744	116
36791	Aquila	6	18 35.27	3,234	97 26 38.6	6,745	101
36792	Cygnus	9	18 35.87	1,669	41 57 40.1	6,745	386
36793	Cygnus	8½	18 40.98	1,890	46 51 52.5	6,753	11
36794	Aquila	8	18 41.07	2,997	86 42 3.9	6,753	92
36795	Aquila	9	18 41.44	2,865	80 44 52.5	6,753	87
36796	Aquila	8	18 44.65	2,939	84 5 32.3	6,757	90
36797	Cygnus	8	18 45.25	2,162	54 12 16.5	6,757	15
36798	Sagittarius....	8	18 48.20	3,639	114 20 55.1	6,762	567
36799	Sagittarius....	8	18 48.73	3,640	114 21 11.1	6,763	174
36800	Aquila	7½	19 18 49.05	+2,882	81 31 4.7	-6,764	89

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36801	Aquila	9	19 18 51.50	+3,360	102 58' 44.1	-6,767	114
36802	Cygnus	8½	18 52.07	2,369	60 54 41.1	6,767	22
36803	Aquila c	5	18 53.88	3,035	88 26 45.1	6,770	94
36804	Cygnus	8½	18 54.21	1,885	46 43 41.2	6,770	11
36805	Aquila	8	18 54.44	2,865	80 45 58.5	6,770	87
36806	Cygnus	8½	18 54.72	2,224	56 6 25.1	6,772	296
36807	Cygnus	8½	18 55.13	2,224	56 6 22.2	6,772	19
36808	Cygnus	6	18 57.11	2,158	54 4 27.3	6,775	15
36809	Aquila	8	18 57.44	3,109	91 46 51.2	6,775	98
36810	Sagittarius....	8	18 58.75	3,496	108 43 31.4	6,776	171
36811	Sagittarius....	7	19 1.54	3,571	111 42 49.9	6,781	174
36812	Sagittarius....	8	19 1.87	3,687	116 8 13.5	6,781	175
36813	Aquila	6½	19 3.95	3,073	90 9 8.7	6,784	96
36814	Sagittarius....	8½	19 4.03	3,643	114 29 49.9	6,784	567
36815	Sagittarius....	8½	19 4.32	3,643	114 29 49.5	6,784	174
36816	Cygnus	8½	19 4.90	1,920	47 35 43.1	6,785	237
36817	Cygnus	8	19 5.82	1,920	47 35 43.4	6,786	295
36818	Vulpecula	8	19 8.02	2,515	66 12 50.5	6,789	28
36819	Cygnus	7½	19 10.02	2,072	51 34 40.3	6,792	13
36820	Cygnus	8	19 10.28	2,072	51 34 44.8	6,792	297
36821	Sagitta	6	19 10.42	2,674	72 32 53.5	6,792	81
36822	Draco.....	9	19 10.99	0,162	23 24 13.3	6,794	362
36823	Vulpecula	7½	19 11.16	2,615	70 8 54.1	6,794	93
36824	Cygnus	6½	19 16.77	1,578	40 8 52.5	6,801	387
36825	Cygnus	6½	19 17.13	1,578	40 8 51.9	6,801	387
36826	Cygnus	5½	19 17.17	1,576	40 6 50.9	6,801	387
36827	Cygnus	8	19 17.32	1,578	40 8 47.4	6,802	358
36828	Sagittarius....	8	19 18.90	3,440	106 34 7.4	6,804	116
36829	Aquila	7½	19 20.23	2,834	79 22 3.7	6,806	87
36830	Aquila	8½	19 21.65	3,312	100 54 11.1	6,808	111
36831	Vulpecula	7½	19 22.37	+2,648	71 28 45.8	6,810	81
36832	Draco.....	8	19 26.71	-0,579	19 1 20.7	6,816	360
36833	Cygnus .....	.	19 29.98	+2,006	49 46 9.4	6,821	12
36834	Sagittarius....	8	19 33.88	3,756	118 37 8.6	6,825	175
36835	Sagittarius....	8	19 34.01	3,564	111 26 34.4	6,825	174
36836	Sagittarius....	9	19 34.68	3,579	112 2 42.9	6,826	174
36837	Cygnus	8	19 36.24	1,940	48 4 12.4	6,828	237
36838	Cygnus	8	19 36.71	1,940	48 4 6.7	6,829	295
36839	Draco..... π	6½	19 36.75	0,332	24 40 10.2	6,829	362
36840	Cygnus	9	19 19 37.13	+1,741	43 25 58.0	-6,829	240

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36841	Cygnus	7½	19 19 37,29	+2,196	55 13 4,0	-6,830	296
36842	Cygnus	8	19 38,74	2,172	54 29 19,3	6,831	15
36843	Aquila	7½	19 39,64	2,801	77 55 42,6	6,832	104
36844	Sagittarius....	8	19 40,41	3,633	114 8 27,3	6,834	174
36845	Aquila	9	19 40,58	3,307	100 41 37,3	6,834	111
36846	Cygnus	7½	19 41,53	2,207	55 32 11,3	6,836	296
36847	Sagittarius....	8½	19 46,93	3,449	106 48 5,5	6,842	116
36848	Aquila	7½	19 47,28	3,088	90 50 48,0	6,844	96
36849	Aquila	8½	19 47,53	3,148	93 35 11,5	6,844	182
36850	Aquila	8½	19 48,02	+3,148	93 35 12,3	6,844	109
36851	Draco.....	8½	19 48,99	-2,169	13 29 37,2	6,845	360
36852	Aquila	8½	19 49,55	+2,754	75 54 34,7	6,847	103
36853	Draco.....	10	19 51,05	0,314	24 31 4,9	6,848	362
36854	Sagitta	7½	19 55,94	2,659	71 54 48,1	6,855	81
36855	Vulpecula ....	.	19 56,62	2,554	67 40 55,5	6,856	105
36856	Cygnus	7	19 57,41	2,031	50 25 57,8	6,858	12
36857	Sagittarius....	8	19 59,28	3,522	109 47 35,4	6,860	173
36858	Aquila .....	.	20 0,96	3,357	102 52 8,1	6,863	114
36859	Vulpecula	8	20 5,44	2,573	68 25 13,4	6,868	105
36860	Vulpecula	7	20 6,98	2,494	65 24 10,1	6,871	102
36861	Vulpecula	6	20 7,17	2,495	65 24 17,0	6,871	28
36862	Vulpecula	7	20 7,52	2,495	65 24 13,3	6,871	25
36863	Aquila	7	20 7,52	3,015	87 29 56,4	6,871	94
36864	Aquila	8	20 8,62	3,001	86 52 30,6	6,873	92
36865	Aquila	9	20 9,76	3,309	100 47 13,4	6,874	111
36866	Cygnus	9	20 10,53	2,415	62 28 34,7	6,876	239
36867	Aquila	6	20 10,99	2,752	75 48 12,4	6,876	103
36868	Aquila	6½	20 11,25	3,222	96 54 45,0	6,877	99
36869	Cygnus	9	20 11,44	2,415	62 28 41,6	6,877	23
36870	Aquila e	6	20 11,75	3,140	93 11 35,4	6,877	182
36871	Aquila e	5½	20 11,80	3,140	93 11 36,2	6,877	109
36872	Sagittarius....	7½	20 11,91	3,748	118 23 3,0	6,877	175
36873	Aquila e	5	20 12,13	3,140	93 11 39,2	6,878	113
36874	Cygnus	9	20 12,76	1,589	40 19 11,7	6,879	358
36875	Vulpecula ....	.	20 14,87	2,558	67 50 31,6	6,881	105
36876	Aquila	7½	20 15,15	2,803	77 59 54,4	6,882	104
36877	Cygnus	6	20 18,56	2,372	60 56 54,3	6,887	22
36878	Sagittarius....	9	20 18,59	3,547	110 48 32,3	6,887	173
36879	Sagittarius....	7½	20 21,80	3,575	111 55 31,4	6,892	174
36880	Cygnus	8	19 20 22,30	+2,255	57 1 27,3	-6,892	19

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36881	Cygnus	8	19 20 22,53	+2,255	57 1 23,3	-6,892	20
36882	Vulpecula .. α	5	20 22,80	2,503	65 43 46,3	6,893	28
36883	Vulpecula .. α	5	20 22,81	2,503	65 43 49,3	6,893	102
36884	Vulpecula .. α	4½	20 23,14	2,503	65 43 49,2	6,893	28
36885	Vulpecula .. α	4½	20 23,28	2,503	65 43 51,5	6,893	25
36886	Sagitta	8	20 27,76	2,690	73 10 26,2	6,900	83
36887	Sagittarius....	9	20 28,39	3,459	107 13 5,1	6,900	171
36888	Sagitta	8	20 29,03	2,694	73 21 22,5	6,901	83
36889	Cygnus	8	20 29,78	2,153	53 52 8,2	6,902	15
36890	Aquila	6½	20 32,65	3,003	86 57 36,5	6,905	92
36891	Cygnus	6½	20 34,42	2,105	52 27 22,3	6,908	297
36892	Cygnus	6	20 34,54	2,105	52 27 25,3	6,908	13
36893	Aquila	8½	20 35,47	2,938	84 0 30,3	6,908	90
36894	Aquila	8	20 35,66	3,123	92 26 28,1	6,910	98
36895	Vulpecula	6	20 35,83	2,501	65 38 3,2	6,910	102
36896	Vulpecula	6	20 35,98	2,501	65 38 3,1	6,910	28
36897	Vulpecula	5½	20 36,15	2,501	65 38 1,1	6,910	28
36898	Vulpecula	5½	20 36,50	2,501	65 38 2,2	6,910	25
36899	Aquila	7½	20 36,55	2,786	77 16 5,2	6,910	104
36900	Vulpecula	7	20 36,92	2,616	70 7 21,2	6,911	93
36901	Cygnus	9	20 39,01	1,463	37 59 39,0	6,913	330
36902	Aquila	7½	20 51,38	3,125	92 31 5,1	6,931	98
36903	Aquila	8½	20 51,53	2,995	86 36 27,6	6,931	92
36904	Cygnus	8	20 53,43	1,795	44 33 41,8	6,934	240
36905	Cygnus	7½	20 54,12	1,946	48 10 8,1	6,934	237
36906	Cygnus	7½	20 54,62	1,946	48 10 7,4	6,936	295
36907	Cygnus	8½	20 57,65	1,653	41 31 35,8	6,939	386
36908	Aquila	8	20 58,08	3,329	101 41 3,9	6,940	114
36909	Aquila	7	20 58,37	3,034	88 23 42,0	6,940	94
36910	Sagittarius....	8	20 59,74	3,549	110 55 34,0	6,942	173
36911	Sagittarius....	.	21 0,28	3,433	106 9 39,5	6,944	116
36912	Aquila	8	21 0,57	2,866	80 46 54,4	6,944	87
36913	Cygnus . . . . .	.	21 2,49	2,416	62 28 23,4	6,946	239
36914	Cygnus	8½	21 2,76	2,296	58 19 38,4	6,947	20
36915	Cygnus	8	21 3,01	2,416	62 28 31,2	6,947	23
36916	Aquila	9	21 6,88	3,288	99 53 34,8	6,952	111
36917	Sagittarius....	9	21 10,51	3,763	118 56 48,9	6,957	175
36918	Aquila	8	21 11,14	2,938	84 1 16,0	6,958	90
36919	Aquila	7	21 14,09	2,794	77 35 14,4	6,963	104
36920	Aquila	8½	19 21 14,12	+2,894	82 0 39,4	-6,963	89

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36921	Cygnus	8	19 21 17,07	+2,218	55 48 17,2	-6,966	296
36922	Sagitta	7½	21 21,07	2,703	73 41 41,6	6,971	83
36923	Vulpecula	7½	21 21,11	+2,555	67 41 56,8	6,972	105
36924	Draco.....	8	21 22,57	-1,936	14 3 45,6	6,974	360
36925	Cygnus	8	21 26,66	+2,341	59 50 21,5	6,979	22
36926	Cygnus	8½	21 28,31	1,589	40 15 30,7	6,982	358
36927	Sagitta	7	21 28,64	2,679	72 42 43,5	6,982	81
36928	Cygnus	8½	21 29,66	1,926	47 38 0,2	6,984	237
36929	Sagittarius....	9½	21 30,28	3,518	109 41 10,2	6,984	173
36930	Sagitta	7½	21 30,56	2,701	73 35 40,4	6,985	83
36931	Aquila	9	21 42,51	3,010	87 17 30,2	7,001	94
36932	Cygnus	9	21 42,68	+2,337	59 40 30,2	7,001	22
36933	Draco.....	9	21 45,43	-4,318	9 37 36,8	7,004	365
36934	Vulpecula	6½	21 45,52	+2,495	65 21 5,3	7,004	25
36935	Cygnus	6½	21 50,41	2,035	50 27 42,7	7,011	12
36936	Draco.....	9½	21 51,18	0,333	24 35 48,3	7,012	362
36937	Aquila	7	21 51,72	2,952	84 38 31,8	7,015	90
36938	Vulpecula	8	21 52,03	2,561	67 54 29,9	7,015	105
36939	Sagittarius....	8½	21 53,38	3,415	105 25 7,2	7,017	116
36940	Aquila	8½	21 54,46	3,110	91 50 58,0	7,018	98
36941	Sagittarius....	9	21 55,74	3,502	109 1 42,2	7,020	171
36942	Sagitta	7	21 56,01	2,666	72 9 25,5	7,020	81
36943	Cygnus	8	22 1,55	1,720	42 52 1,6	7,028	386
36944	Vulpecula	8	22 1,64	2,512	65 59 18,8	7,028	102
36945	Vulpecula ....	.	22 2,80	2,512	65 59 13,8	7,029	28
36946	Sagittarius....	9	22 2,86	3,724	117 34 13,2	7,029	175
36947	Sagittarius....	9	22 4,92	3,508	109 16 28,7	7,032	171
36948	Vulpecula	8	22 11,67	2,638	70 58 34,7	7,041	93
36949	Cygnus	8	22 12,41	2,036	50 28 7,5	7,042	12
36950	Cygnus	6½	22 16,33	2,164	54 7 32,5	7,047	15
36951	Aquila	9	22 17,10	3,331	101 47 14,6	7,049	114
36952	Cygnus	9	22 17,10	2,294	58 12 42,5	7,049	20
36953	Aquila	7	22 18,02	2,914	82 55 28,6	7,050	89
36954	Vulpecula	8	22 18,03	2,494	65 17 20,0	7,050	25
36955	Vulpecula	7½	22 18,70	2,494	65 17 18,8	7,050	102
36956	Aquila	9	22 21,88	3,037	88 30 27,5	7,055	94
36957	Cygnus	8	22 23,58	1,745	43 22 46,1	7,057	240
36958	Aquila	8	22 25,62	2,936	83 54 35,2	7,060	90
36959	Aquila	8	22 27,97	2,745	75 26 30,7	7,063	103
36960	Sagittarius....	7	19 22 28,75	+3,634	114 16 35,8	-7,064	567

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36961	Sagittarius....	9	19 22 29,81	+3,445	106 41 30,6	-7,066	116
36962	Cygnus	5½	22 31,57	1,472	38 4 54,6	7,068	330
36963	Aquila	6½	22 37,51	2,873	81 4 40,1	7,076	87
36964	Cygnus	8½	22 38,03	1,912	47 14 7,4	7,077	237
36965	Aquila	7½	22 38,03	2,862	80 35 20,3	7,077	87
36966	Aquila	8	22 38,32	3,101	91 25 6,5	7,077	98
36967	Cygnus	9	22 38,47	1,912	47 14 4,3	7,077	11
36968	Sagitta	7	22 38,94	2,674	72 27 15,5	7,077	81
36969	Cygnus β	3½	22 39,44	2,417	62 26 58,8	7,078	239
36970	Cygnus β	3½	22 39,45	2,417	62 27 7,2	7,079	23
36971	Cygnus	6	22 41,63	2,417	62 26 44,8	7,082	239
36972	Sagitta	8	22 41,95	2,678	72 37 20,8	7,082	81
36973	Cygnus	5½	22 42,12	2,417	62 26 48,2	7,082	23
36974	Cygnus	8	22 42,24	2,229	56 6 19,1	7,082	296
36975	Aquila	8½	22 42,32	2,776	76 47 29,6	7,082	103
36976	Sagittarius....	8	22 45,57	3,446	106 43 28,7	7,087	116
36977	Aquila	8½	22 47,05	3,182	95 8 29,0	7,089	109
36978	Cygnus	6	22 47,35	2,247	56 40 48,5	7,089	19
36979	Aquila	9	22 47,87	3,182	95 8 31,3	7,091	182
36980	Aquila	8	22 48,65	3,182	95 8 39,7	7,091	99
36981	Sagittarius....	8	22 50,61	3,447	106 47 37,1	7,094	116
36982	Cygnus	8½	22 51,87	1,934	47 45 59,9	7,096	237
36983	Aquila	8	22 52,47	2,867	80 49 2,5	7,098	87
36984	Cygnus	8½	22 53,69	+2,235	56 16 26,0	7,099	296
36985	Draco	9	22 53,69	-4,317	9 36 36,9	7,099	365
36986	Aquila	8½	22 53,77	+3,097	91 14 56,9	7,099	98
36987	Cygnus	8	22 55,39	2,301	58 25 50,3	7,101	21
36988	Draco	9½	22 55,86	0,362	24 47 34,6	7,101	362
36989	Aquila	8	22 57,98	2,870	80 55 12,7	7,104	87
36990	Aquila	8	23 7,06	3,183	95 9 36,9	7,117	109
36991	Aquila	8	23 7,38	3,183	95 9 39,2	7,117	182
36992	Aquila	7½	23 7,68	3,183	95 9 36,3	7,117	99
36993	Aquila	8	23 8,11	3,308	100 48 46,2	7,119	111
36994	Aquila	8½	23 8,22	2,953	84 39 11,4	7,119	90
36995	Cygnus	5½	23 10,60	2,454	63 47 50,9	7,122	25
36996	Aquila	8	23 13,70	2,812	78 22 16,5	7,125	104
36997	Aquila	7	23 14,20	2,969	85 23 12,0	7,127	92
36998	Vulpecula	9	23 15,77	2,592	69 5 55,6	7,128	105
36999	Sagittarius....	9	23 16,16	3,505	109 11 16,7	7,129	173
37000	Sagittarius....	8	19 23 16,59	+3,366	103 20 31,5	-7,131	114

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37001	Sagittarius....	9	19 23 17,38	+3,505	109 11 12,8	-7,131	171
37002	Draco.....	8	23 17,86	-0,712	18 17 15,5	7,132	360
37003	Aquila	8	23 18,64	+3,085	90 42 5,0	7,132	96
37004	Aquila	8	23 19,73	2,953	84 40 21,2	7,134	90
37005	Cygnus	8½	23 20,44	1,449	37 38 44,9	7,136	330
37006	Vulpecula	7	23 20,70	2,602	69 29 13,1	7,136	93
37007	Aquila	8½	23 23,84	3,348	102 33 18,3	7,141	114
37008	Aquila	9	23 26,58	3,306	100 43 13,7	7,144	111
37009	Cygnus	7	23 27,73	2,445	63 25 44,3	7,145	25
37010	Aquila	7½	23 30,72	2,908	82 38 53,5	7,148	89
37011	Sagittarius....	8½	23 31,82	3,765	119 5 27,8	7,150	175
37012	Cygnus	6	23 32,72	2,168	54 11 1,7	7,152	16
37013	Cygnus	6½	23 44,65	2,257	56 56 35,4	7,168	21
37014	Cygnus	6	23 44,66	2,257	56 56 36,3	7,168	19
37015	Cygnus	8	23 47,11	1,852	45 43 17,3	7,171	11
37016	Sagittarius... A¹	6	23 51,86	3,656	115 8 35,8	7,178	567
37017	Sagittarius... A¹	6	23 52,32	3,656	115 8 37,2	7,178	174
37018	Sagittarius... A¹	6	23 52,69	3,656	115 8 37,8	7,180	175
37019	Aquila	6½	23 54,11	2,959	84 57 4,6	7,181	90
37020	Sagittarius....	8	23 54,52	3,765	119 5 58,7	7,181	175
37021	Vulpecula	8	23 56,39	2,544	67 10 24,2	7,185	102
37022	Vulpecula	8	23 56,54	2,544	67 10 24,8	7,185	28
37023	Cygnus	8	24 3,17	2,410	62 8 58,0	7,193	239
37024	Aquila	8	24 3,21	2,907	82 35 29,1	7,193	89
37025	Cygnus	7½	24 4,43	2,355	60 13 42,4	7,194	22
37026	Cygnus	8	24 4,64	2,226	55 56 43,5	7,194	296
37027	Aquila	8	24 5,69	2,905	82 30 3,9	7,196	89
37028	Aquila A	5½	24 5,89	3,312	100 59 1,3	7,196	111
37029	Aquila	8	24 6,02	3,071	90 4 0,1	7,196	96
37030	Cygnus	8½	24 6,15	1,916	47 14 52,5	7,197	295
37031	Cygnus	8½	24 6,54	1,916	47 14 49,9	7,197	237
37032	Cygnus	7	24 7,67	1,753	43 27 55,5	7,199	240
37033	Cygnus	8	24 9,49	2,018	49 53 40,7	7,201	12
37034	Aquila	8½	24 9,75	+3,087	90 46 48,8	7,202	96
37035	Draco.....	9½	24 10,29	-2,056	13 41 11,7	7,203	360
37036	Cygnus	8	24 14,70	+2,326	59 12 16,2	7,209	22
37037	Cygnus	9	24 15,41	1,867	46 4 7,3	7,209	11
37038	Cygnus	8	24 15,89	2,095	52 0 49,7	7,211	297
37039	Cygnus	8½	24 16,00	1,921	47 22 37,0	7,211	237
37040	Cygnus	8	19 24 16,82	+1,921	47 22 31,6	-7,211	295

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37041	Cygnus	7	19 24 17.04	+2,095	52 0 49.6	-7.213	13
37042	Vulpecula	8	24 18.03	2,590	68 57 42.9	7.213	105
37043	Cygnus	3½	24 18.12	1,512	38 41 28.6	7.213	330
37044	Aquila μ	4½	24 18.95	2,917	83 1 56.8	7.214	89
37045	Vulpecula	8	24 20.40	2,601	69 25 0.4	7.216	93
37046	Cygnus	6	24 20.48	2,227	55 57 53.6	7.216	296
37047	Cygnus	5	24 21.11	2,227	55 57 47.9	7.218	19
37048	Aquila	7	24 24.38	3,350	102 40 35.3	7.223	114
37049	Cygnus	9	24 28.90	1,630	40 54 16.5	7.228	386
37050	Aquila	7	24 29.73	2,908	82 38 4.0	7.230	89
37051	Sagittarius.. A²	4½	24 31.39	3,660	115 18 35.6	7.231	567
37052	Sagittarius.. A²	5½	24 31.45	3,660	115 18 38.7	7.231	174
37053	Sagittarius.. A²	5	24 31.55	3,660	115 18 44.0	7.231	175
37054	Sagittarius....	8	24 35.54	3,370	103 31 55.0	7.238	115
37055	Aquila	8½	24 38.00	3,173	94 43 57.0	7.241	109
37056	Cygnus ε²	4½	24 38.96	1,512	38 41 26.3	7.242	358
37057	Aquila	6	24 41.67	3,242	97 53 8.3	7.246	101
37058	Cygnus	7½	24 43.00	2,109	52 23 56.8	7.247	13
37059	Cygnus	8	24 43.12	2,109	52 23 48.9	7.247	297
37060	Sagittarius....	7	24 45.70	3,506	109 16 48.9	7.251	173
37061	Sagittarius....	6½	24 46.12	3,506	109 16 45.8	7.251	171
37062	Aquila	8½	24 48.59	+3,307	100 47 28.4	7.254	111
37063	Draco.....	8	24 48.98	-2,019	13 46 5.2	7.256	360
37064	Vulpecula ....	.	24 49.40	+2,580	68 34 7.2	7.256	105
37065	Cygnus	7	24 52.73	1,925	47 25 49.4	7.261	295
37066	Cygnus	7½	24 53.06	1,925	47 25 55.8	7.261	237
37067	Cygnus	8	24 55.09	2,233	56 8 13.5	7.264	296
37068	Aquila	8	24 57.84	2,843	79 42 36.5	7.268	87
37069	Vulpecula	8	24 58.06	2,539	66 55 28.9	7.268	28
37070	Vulpecula	7½	24 58.58	2,539	66 55 27.4	7.268	102
37071	Sagittarius....	8½	25 0.29	3,582	112 19 54.1	7.271	174
37072	Cygnus	9	25 1.94	1,465	37 50 12.7	7.273	330
37073	Cygnus	7	25 4.05	1,783	44 5 7.8	7.276	240
37074	Cygnus	8	25 4.34	2,435	63 1 44.7	7.276	239
37075	Cygnus	8	25 5.16	2,435	63 1 47.4	7.278	23
37076	Aquila	8	25 5.18	2,985	86 6 46.6	7.278	92
37077	Cygnus	6	25 9.17	2,326	59 11 11.7	7.283	22
37078	Cygnus	6½	25 9.57	2,326	59 11 8.7	7.283	21
37079	Sagittarius....	8½	25 9.67	3,504	109 12 50.2	7.284	173
37080	Sagittarius....	8½	19 25 9.89	+3,504	109 12 47.2	-7.285	171

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37081	Aquila	7	19 25 10.77	+2,838	79 28 15.9	-7,285	87
37082	Cygnus	8½	25 13.00	2,426	62 40 54.3	7,288	239
37083	Sagitta	8	25 14.73	2,716	74 9 28.4	7,292	83
37084	Sagittarius....	8½	25 21.66	3,767	119 14 45.9	7,300	175
37085	Aquila	6½	25 21.69	3,016	87 31 4.0	7,300	94
37086	Vulpecula	8½	25 21.94	2,578	68 26 25.8	7,300	105
37087	Vulpecula	8	25 22.54	2,522	66 15 53.0	7,302	28
37088	Aquila	9	25 24.47	3,145	93 29 2.5	7,303	109
37089	Aquila	7	25 25.72	3,132	92 50 48.8	7,305	98
37090	Vulpecula ....	.	25 25.95	2,576	68 24 24.7	7,306	105
37091	Sagittarius....	6	25 26.71	3,490	108 39 45.5	7,307	171
37092	Sagitta	8	25 28.69	2,735	74 57 24.5	7,310	83
37093	Aquila	9	25 29.21	3,084	90 38 57.8	7,310	96
37094	Cygnus	8	25 29.47	1,679	41 50 9.8	7,310	386
37095	Cygnus	8	25 29.87	2,065	51 6 41.2	7,311	12
37096	Sagittarius....	8½	25 31.56	3,583	112 23 6.8	7,313	174
37097	Sagitta	8	25 32.59	2,676	72 26 34.0	7,314	81
37098	Aquila	8	25 33.54	2,790	77 20 52.0	7,316	103
37099	Aquila	8	25 34.06	2,790	77 20 57.8	7,316	104
37100	Aquila	7	25 34.80	2,842	79 37 16.1	7,318	87
37101	Aquila	7	25 42.01	2,672	72 17 54.7	7,328	81
37102	Cygnus	9	25 42.34	1,598	40 13 17.1	7,328	358
37103	Cygnus	7	25 43.77	2,179	54 24 15.7	7,330	16
37104	Aquila	8	25 44.86	3,140	93 14 6.6	7,331	109
37105	Aquila	8	25 44.91	3,140	93 14 3.7	7,331	98
37106	Vulpecula	6½	25 45.64	2,472	64 21 47.0	7,331	25
37107	Cygnus	7	25 45.96	2,452	63 37 4.2	7,333	25
37108	Cygnus	8	25 46.00	2,259	56 56 30.1	7,333	19
37109	Vulpecula	7	25 46.05	2,479	64 37 4.1	7,333	28
37110	Aquila	7	25 46.11	3,077	90 18 58.9	7,333	96
37111	Aquila	6½	25 46.81	3,074	90 10 43.6	7,333	96
37112	Vulpecula	5	25 47.70	2,633	70 39 13.4	7,335	93
37113	Aquila	8½	25 48.62	3,308	100 51 30.2	7,336	111
37114	Sagittarius....	6	25 49.05	3,371	103 36 17.8	7,336	115
37115	Cygnus	8	25 50.19	2,241	56 20 47.5	7,338	296
37116	Vulpecula ....	.	25 50.90	2,583	68 37 35.7	7,340	105
37117	Aquila	7½	25 51.53	3,302	100 35 19.1	7,340	111
37118	Aquila	8	25 55.25	3,129	92 45 1.4	7,345	98
37119	Vulpecula	7	25 56.06	2,491	65 4 21.6	7,347	25
37120	Cygnus	7	19 26 0.63	+2,269	57 14 10.2	-7,353	19

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37121	Cygnus	6½	19 26 0,65	+2,269	57 14 8,2	-7,353	21
37122	Cygnus	6½	26 1,26	1,593	40 6 53,7	7,353	358
37123	Aquila	8	26 1,97	+3,201	96 1 43,5	7,355	99
37124	Draco.....	8	26 3,02	-1,951	13 55 3,4	7,356	360
37125	Sagittarius....	9	26 4,10	+3,764	119 10 29,5	7,358	175
37126	Cygnus .....	.	26 4,40	2,054	50 45 38,5	7,359	12
37127	Aquila x	4	26 8,28	3,233	97 27 35,9	7,362	99
37128	Aquila x	3½	26 8,32	+3,233	97 27 37,5	7,363	236
37129	Draco.....	8	26 8,43	-2,072	13 35 58,9	7,364	360
37130	Aquila x	3½	26 8,47	+3,233	97 27 30,0	7,364	182
37131	Aquila x	4	26 8,79	3,233	97 27 35,2	7,364	101
37132	Cygnus	8	26 9,27	2,409	62 1 4,7	7,364	23
37133	Aquila	8	26 11,47	2,787	77 11 15,4	7,367	103
37134	Aquila	8	26 11,54	2,787	77 11 13,3	7,367	104
37135	Aquila	9	26 13,74	2,989	86 18 46,4	7,370	92
37136	Cygnus	8	26 14,06	2,190	54 43 33,7	7,370	16
37137	Vulpecula	8½	26 15,09	2,530	66 32 18,8	7,372	28
37138	Cygnus .....	.	26 16,41	2,432	62 51 29,1	7,374	239
37139	Cygnus	9	26 17,02	1,913	47 4 14,1	7,375	11
37140	Sagitta	7	26 19,70	2,732	74 49 8,9	7,379	83
37141	Cygnus	8	26 20,28	2,179	54 22 40,3	7,379	16
37142	Aquila i	3½	26 21,91	3,107	91 43 5,4	7,382	182
37143	Aquila i	4	26 22,08	3,107	91 43 6,4	7,382	113
37144	Aquila .....	.	26 23,04	2,948	84 25 27,2	7,382	90
37145	Aquila	8	26 25,22	2,988	86 14 41,2	7,386	92
37146	Cygnus	8½	26 25,53	1,910	46 59 32,0	7,386	11
37147	Sagittarius....	6½	26 26,01	3,760	119 2 36,8	7,387	175
37148	Cygnus	9	26 28,01	1,987	48 57 8,6	7,390	295
37149	Vulpecula	8	26 30,53	2,497	65 16 34,6	7,393	102
37150	Vulpecula	7½	26 32,79	2,574	68 16 14,0	7,396	105
37151	Aquila	8	26 37,89	3,292	100 9 55,3	7,403	111
37152	Cygnus	6½	26 37,90	2,087	51 39 54,6	7,403	297
37153	Cygnus	6	26 38,22	2,087	51 39 57,9	7,404	13
37154	Aquila	8½	26 39,56	3,013	87 23 13,1	7,405	94
37155	Vulpecula	8	26 41,00	2,500	65 23 49,6	7,408	102
37156	Aquila	7	26 41,25	2,834	79 16 45,9	7,408	87
37157	Cygnus	8	26 41,74	2,236	56 9 28,1	7,408	296
37158	Cygnus	7	26 42,04	2,389	61 16 34,9	7,410	22
37159	Cygnus	8	26 42,34	2,389	61 16 43,7	7,410	23
37160	Cygnus	8½	19 26 42,98	+1,993	49 5 34,7	-7,410	295

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37161	Cygnus	9	19 26 43.48	+1,603	40 16 21.3	-7.411	358
37162	Aquila	7	26 44.47	3,298	100 24 40.2	7.411	111
37163	Cygnus	8½	26 45.54	1,936	47 37 11.3	7.413	237
37164	Cygnus	8	26 46.22	1,788	44 6 45.2	7.415	240
37165	Sagittarius....	6½	26 47.35	3,619	113 52 6.3	7.416	567
37166	Cygnus	7	26 49.01	2,442	63 12 21.3	7.418	239
37167	Aquila	7	26 49.37	2,812	78 16 11.7	7.418	104
37168	Vulpecula	8	26 49.37	2,608	69 36 31.3	7.418	93
37169	Cygnus	8	26 49.44	2,442	63 12 22.2	7.418	25
37170	Cygnus	7½	26 51.41	2,053	50 41 50.8	7.421	12
37171	Cygnus	5½	26 52.59	2,380	60 58 1.5	7.423	22
37172	Cygnus	8	26 53.45	2,443	63 14 27.2	7.425	25
37173	Cygnus	5½	26 54.14	2,380	60 58 6.2	7.425	23
37174	Sagitta	7½	26 54.97	2,663	71 51 17.4	7.427	81
37175	Aquila	7	27 0.28	3,090	90 55 34.8	7.433	96
37176	Vulpecula	•	27 6.98	2,575	68 17 27.7	7.443	105
37177	Cygnus	7	27 8.05	1,801	44 23 12.4	7.444	240
37178	Aquila	5	27 10.28	3,180	95 4 51.7	7.447	109
37179	Aquila	7	27 10.56	3,180	95 4 54.7	7.447	113
37180	Aquila	9	27 13.08	3,014	87 27 20.9	7.450	94
37181	Cygnus	8½	27 13.79	1,954	48 4 13.6	7.452	237
37182	Aquila	8½	27 14.16	2,808	78 7 3.2	7.452	104
37183	Aquila	8	27 14.31	3,101	91 28 5.3	7.452	98
37184	Sagitta	7½	27 16.22	2,726	74 32 36.0	7.456	81
37185	Aquila	7	27 17.69	3,082	90 33 57.7	7.457	96
37186	Aquila	9	27 21.50	3,324	101 35 5.6	7.463	114
37187	Cygnus	8	27 23.73	2,446	63 19 19.2	7.465	239
37188	Cygnus	7	27 24.53	2,252	56 38 12.8	7.466	19
37189	Cygnus	8	27 25.21	1,909	46 54 40.3	7.467	11
37190	Aquila	8	27 25.49	2,785	77 4 14.4	7.467	103
37191	Aquila	6	27 25.74	2,832	79 9 39.2	7.467	87
37192	Aquila	8½	27 26.84	2,898	82 7 16.6	7.469	89
37193	Vulpecula	7½	27 27.05	2,498	65 15 29.0	7.469	102
37194	Aquila	9.	27 28.32	3,179	95 2 44.5	7.471	109
37195	Vulpecula	8	27 30.09	2,532	66 34 36.1	7.474	28
37196	Vulpecula	7	27 32.68	2,621	70 6 9.7	7.478	93
37197	Sagittarius....	6½	27 34.91	3,619	113 52 20.6	7.481	567
37198	Aquila	6½	27 37.82	3,180	95 4 49.3	7.485	182
37199	Cygnus	7½	27 38.58	2,240	56 13 51.0	7.485	296
37200	Cygnus	7	19 27 40.51	+1,991	49 = 6.4	-7.489	295

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37201	Vulpecula	8½	19 27 40,86	+2,580	68 27 43,7	-7,489	105
37202	Sagittarius....	8	27 41,40	3,457	107 21 4,3	7,490	171
37203	Sagittarius....	8½	27 41,86	3,457	107 21 1,8	7,491	116
37204	Sagittarius....	8	27 42,29	3,457	107 20 59,2	7,491	171
37205	Sagittarius....	8½	27 42,46	3,457	107 20 56,8	7,491	116
37206	Cygnus	6½	27 43,27	1,972	48 30 6,8	7,492	295
37207	Aquila	7	27 44,02	3,302	100 35 38,3	7,492	111
37208	Vulpecula	8½	27 44,36	2,578	68 22 24,5	7,493	105
37209	Aquila	7½	27 44,84	3,047	88 56 17,9	7,494	94
37210	Cygnus	8	27 46,09	2,329	59 9 22,2	7,496	21
37211	Sagittarius....	7	27 47,90	3,619	113 52 7,5	7,499	174
37212	Vulpecula	8	27 49,51	2,503	65 26 7,2	7,501	102
37213	Cygnus	8	27 51,77	2,192	54 43 32,8	7,504	16
37214	Vulpecula	8	27 52,08	2,537	66 44 43,1	7,504	28
37215	Aquila	7	27 55,31	3,090	90 55 34,3	7,508	96
37216	Cygnus	7	27 56,43	2,225	55 44 42,3	7,509	296
37217	Cygnus	8½	27 56,94	2,443	63 12 0,5	7,511	25
37218	Aquila	8	27 57,21	3,306	100 46 43,3	7,511	111
37219	Cygnus	9	27 57,29	2,443	63 11 58,9	7,511	239
37220	Aquila	8½	27 59,76	2,791	77 19 14,8	7,515	103
37221	Sagittarius....	7½	28 0,70	3,583	112 30 14,0	7,516	174
37222	Vulpecula	8	28 1,51	2,502	65 24 28,9	7,516	102
37223	Vulpecula	8	28 3,60	2,529	66 25 58,7	7,519	28
37224	Aquila	8½	28 4,77	3,099	91 21 45,7	7,521	98
37225	Sagittarius....	6	28 4,99	3,618	113 52 23,4	7,521	174
37226	Cygnus	9	28 7,46	2,044	50 24 30,9	7,525	12
37227	Aquila	7	28 7,54	3,072	90 5 39,2	7,525	96
37228	Cygnus	6	28 9,28	1,954	48 1 6,2	7,526	237
37229	Cygnus	6½	28 10,63	1,652	41 9 58,9	7,528	386
37230	Sagitta s	6½	28 14,22	2,714	73 58 32,6	7,534	83
37231	Sagitta s	6	28 14,31	2,714	73 58 33,5	7,534	176
37232	Aquila	8	28 15,94	2,800	77 44 52,1	7,536	104
37233	Sagitta	8	28 20,26	2,714	73 58 17,6	7,543	83
37234	Sagittarius....	8½	28 20,48	3,616	113 46 39,5	7,543	567
37235	Aquila	9	28 20,59	3,174	94 48 25,0	7,543	109
37236	Sagittarius....	9	28 21,25	3,616	113 46 29,1	7,544	174
37237	Cygnus	7	28 24,15	1,893	46 29 13,2	7,548	11
37238	Cygnus	8	28 24,56	3,732	118 8 32,5	7,548	175
37239	Sagittarius....	8	28 25,53	3,564	111 44 48,0	7,550	174
37240	Vulpecula	8	19 28 25,55	+2,545	67 3 41,1	-7,550	28

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37241	Draco.....	7½	19 28 26,48	-1,958	13 50 42,3	-7,551	360
37242	Vulpecula	7	28 29,94	+2,580	68 25 59,2	7,555	105
37243	Aquila	8	28 30,24	3,416	105 36 42,9	7,556	177
37244	Aquila	8	28 30,43	3,416	105 36 40,2	7,556	116
37245	Aquila	7	28 30,51	3,416	105 36 39,7	7,556	115
37246	Vulpecula	7	28 31,92	2,654	71 27 38,0	7,558	81
37247	Sagittarius....	8	28 32,26	3,408	105 17 38,5	7,558	116
37248	Aquila	8½	28 32,63	2,885	81 31 9,8	7,558	89
37249	Sagittarius....	7	28 33,29	3,408	105 17 40,1	7,560	177
37250	Sagittarius....	7	28 33,90	3,408	105 17 31,2	7,560	115
37251	Aquila	7½	28 34,03	2,889	81 41 37,2	7,561	89
37252	Cygnus	7½	28 34,34	2,256	56 41 5,2	7,561	19
37253	Cygnus	7½	28 34,85	2,264	56 58 33,4	7,561	19
37254	Cygnus	6	28 36,85	2,153	53 29 30,1	7,565	16
37255	Aquila	8½	28 39,56	2,892	81 51 19,4	7,568	89
37256	Aquila	8	28 40,62	2,802	77 49 6,2	7,570	104
37257	Aquila	9	28 44,21	3,148	93 36 55,2	7,573	182
37258	Cygnus	6½	28 45,03	2,210	55 13 21,4	7,575	296
37259	Cygnus	8	28 47,47	2,046	50 24 23,5	7,578	12
37260	Cygnus	8	28 47,57	1,786	43 57 56,4	7,578	240
37261	Cygnus	7½	28 47,59	2,332	59 12 6,7	7,578	21
37262	Aquila	6½	28 48,13	3,006	87 3 38,9	7,580	92
37263	Sagittarius....	7	28 48,27	3,390	104 29 20,5	7,580	115
37264	Aquila	8	28 55,15	3,225	97 9 8,9	7,590	101
37265	Aquila	7	28 56,91	3,225	97 9 2,7	7,591	99
37266	Cygnus	7	28 58,54	1,708	42 15 49,5	7,593	386
37267	Vulpecula	8½	28 59,00	2,575	68 13 30,8	7,594	105
37268	Cygnus	8	28 59,45	2,358	60 6 49,3	7,595	22
37269	Sagitta	7	29 2,94	2,664	71 50 53,3	7,600	81
37270	Vulpecula	8	29 7,67	2,468	64 4 52,8	7,607	25
37271	Cygnus	7	29 8,65	1,552	39 11 9,0	7,607	358
37272	Cygnus	6	29 8,97	1,552	39 11 12,7	7,608	330
37273	Draco.....	9	29 9,45	0,280	23 55 19,4	7,608	362
37274	Cygnus	7	29 9,48	2,410	61 56 11,0	7,608	23
37275	Aquila	8	29 10,66	2,809	78 5 4,3	7,610	104
37276	Cygnus	6	29 11,28	2,386	61 5 21,2	7,610	22
37277	Sagittarius... 61	7	29 15,03	3,442	106 44 19,0	7,615	116
37278	Vulpecula	8	29 18,52	2,561	67 38 39,2	7,621	568
37279	Aquila 6	5	29 18,98	2,962	85 2 46,0	7,621	90
37280	Vulpecula	8	19 29 19,12	+2,523	66 10 48,6	-7,621	28

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37281	Draco.....	9	19 29 20,60	-3,137	11 16 16,7	-7,623	361
37282	Sagittarius....	8½	29 22,04	+3,544	110 59 32,5	7,626	173
37283	Vulpecula	7½	29 25,51	2,504	65 25 24,3	7,630	102
37284	Sagittarius....	9	29 26,90	3,654	115 17 15,9	7,632	175
37285	Vulpecula ....	.	29 30,43	2,512	65 43 43,7	7,637	102
37286	Cygnus	8	29 31,48	1,789	44 0 26,1	7,638	240
37287	Cygnus	7	29 33,40	2,379	60 49 42,8	7,640	22
37288	Cygnus	8	29 35,04	1,783	43 50 59,0	7,643	240
37289	Vulpecula	8	29 37,92	2,584	68 33 28,9	7,647	105
37290	Sagittarius....	9	29 39,47	3,622	114 5 9,3	7,649	174
37291	Vulpecula	8	29 41,13	2,478	64 25 33,9	7,650	25
37292	Aquila	6	29 42,54	3,197	95 53 41,4	7,652	99
37293	Cygnus	8½	29 43,14	1,744	42 59 57,8	7,652	386
37294	Aquila	8	29 46,26	3,086	90 45 53,1	7,658	96
37295	Sagittarius....	9	29 47,46	3,455	107 19 20,3	7,660	171
37296	Aquila	9	29 48,72	3,137	93 6 22,6	7,661	182
37297	Cygnus	7	29 48,86	+2,011	49 25 46,8	7,661	12
37298	Draco.....	8	29 49,80	-2,625	12 14 39,6	7,663	361
37299	Cygnus	7½	29 50,64	+1,978	48 32 45,2	7,664	295
37300	Cygnus	6½	29 53,63	2,106	52 3 24,1	7,668	297
37301	Aquila	8½	29 54,19	3,278	99 34 52,6	7,668	111
37302	Cygnus	5½	29 54,32	2,106	52 3 25,3	7,668	13
37303	Cygnus	8	29 54,39	2,013	49 28 25,9	7,668	12
37304	Aquila	7½	29 55,90	3,242	97 57 29,1	7,672	101
37305	Cygnus	8	29 59,50	1,549	39 5 57,5	7,676	330
37306	Sagittarius....	9	30 0,58	3,551	111 17 4,4	7,678	173
37307	Sagittarius....	8½	30 0,84	3,551	111 17 14,1	7,678	174
37308	Draco.....	9	30 0,95	0,317	24 10 14,0	7,678	362
37309	Cygnus	9	30 3,74	1,783	43 50 6,8	7,681	240
37310	Vulpecula	7	30 4,43	2,612	69 39 27,8	7,683	93
37311	Vulpecula ....	.	30 6,79	2,556	67 24 12,9	7,686	568
37312	Vulpecula	8	30 8,42	2,584	68 32 15,5	7,688	105
37313	Cygnus	7	30 10,96	1,907	46 44 4,4	7,691	11
37314	Aquila	8½	30 11,03	3,084	90 40 57,7	7,691	96
37315	Aquila	8½	30 11,28	3,285	99 52 14,6	7,691	111
37316	Sagittarius....	7	30 12,28	3,654	115 18 48,0	7,693	178
37317	Vulpecula	8	30 13,56	2,480	64 27 58,2	7,695	28
37318	Vulpecula	8	30 13,78	2,480	64 27 56,5	7,695	25
37319	Sagittarius....	7½	30 13,91	3,654	115 18 43,0	7,695	175
37320	Vulpecula	19 30 14,17	+2,554	67 19 54,8	-7,696	568

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37321	Aquila	7½	19	30	16,05	+2,915	82	52	54.7	-7,698	89
37322	Cygnus	7		30	16,47	2,111	51	50	55.7	7,698	297
37323	Cygnus	6		30	16,53	2,218	55	25	14.0	7,698	16
37324	Cygnus	7		30	17,03	2,218	55	25	11.3	7,699	296
37325	Cygnus	6		30	17,08	2,100	51	50	55.9	7,700	13
37326	Cygnus	•		30	17,82	2,219	55	25	13.9	7,700	19
37327	Aquila	9		30	18,75	+3,341	102	22	34.4	7,702	114
37328	Draco.....	8		30	19,12	-0,955	17	3	21.2	7,702	360
37329	Aquila	8		30	19,49	+2,986	86	6	39.1	7,702	92
37330	Sagitta	7		30	22,24	2,713	73	52	29.4	7,707	83
37331	Sagitta	7½		30	22,38	2,713	73	52	32.6	7,707	176
37332	Cygnus	7½		30	24,40	1,820	44	38	44.5	7,709	240
37333	Aquila	6		30	24,65	3,093	91	4	18.6	7,709	96
37334	Cygnus	6		30	27,18	1,867	45	44	28.3	7,713	11
37335	Cygnus	7½		30	29,15	2,254	56	33	12.5	7,716	296
37336	Sagittarius....	8		30	30,82	3,641	114	49	49.6	7,718	567
37337	Sagittarius....	8½		30	31,49	3,641	114	49	50.2	7,720	174
37338	Aquila	8½		30	32,84	3,142	93	19	55.8	7,721	182
37339	Draco.....	9		30	33,87	0,360	24	29	18.8	7,721	362
37340	Cygnus	6		30	34,04	1,611	40	14	10.1	7,722	358
37341	Cygnus	7		30	38,05	2,211	55	10	57.9	7,728	296
37342	Cygnus	6		30	38,76	2,211	55	11	3.5	7,729	16
37343	Cygnus	7		30	39,57	2,211	55	11	3.4	7,731	19
37344	Aquila	8		30	41,79	2,962	85	0	0.3	7,732	91
37345	Aquila	8		30	42,55	3,042	88	41	41.9	7,734	94
37346	Aquila	8		30	42,71	3,043	88	46	39.1	7,734	94
37347	Cygnus	8		30	43,51	1,926	47	11	10.4	7,736	295
37348	Cygnus	8½		30	43,61	1,927	47	11	13.4	7,736	237
37349	Aquila	8		30	46,71	3,129	92	45	57.1	7,739	98
37350	Vulpecula	8		30	50,37	2,576	68	11	35.8	7,744	105
37351	Aquila	9		30	50,50	3,333	102	2	8.9	7,745	114
37352	Vulpecula	8		30	54,27	2,613	69	40	1.4	7,750	93
37353	Aquila	8		30	54,48	2,867	80	40	27.3	7,750	87
37354	Cygnus	8½		30	55,15	2,255	56	32	24.4	7,751	296
37355	Cygnus	8		30	57,36	1,696	41	55	30.7	7,754	386
37356	Cygnus	7		30	58,92	2,300	58	2	27.2	7,756	21
37357	Cygnus	8½		30	59,78	1,511	38	21	41.4	7,757	330
37358	Cygnus	7½		31	3,80	1,611	40	12	12.6	7,762	358
37359	Cygnus θ	4		31	4,16	1,612	40	14	13.7	7,762	387
37360	Sagittarius .. e²	6	19	31	4,55	+3,437	106	34	48.2	-7,763	177

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37361	Cygnus	9	19 31 4,65	+1,923	47 4 39,2	-7,764	237
37362	Sagittarius....	9	31 5,86	3,517	109 55 57,9	7,766	174
37363	Aquila	7	31 7,69	3,279	99 38 33,4	7,767	111
37364	Sagitta ....α	4	31 9,52	2,679	72 26 8,4	7,769	176
37365	Sagitta ....α	4½	31 9,56	2,679	72 26 6,6	7,769	81
37366	Aquila	7½	31 11,56	3,248	98 14 59,5	7,773	101
37367	Aquila	8	31 13,03	3,164	94 22 8,0	7,775	109
37368	Aquila	8	31 14,07	3,172	94 44 35,1	7,776	182
37369	Sagitta	7½	31 14,55	2,682	72 33 6,3	7,776	81
37370	Sagitta	8½	31 18,26	2,719	74 7 4,5	7,782	176
37371	Cygnus	8	31 18,65	2,296	57 53 9,8	7,782	21
37372	Cygnus	7½	31 22,10	2,131	52 42 11,2	7,787	14
37373	Aquila	9	31 23,24	3,282	99 47 23,8	7,789	111
37374	Vulpecula	•	31 26,89	2,519	65 54 42,9	7,793	102
37375	Vulpecula	7	31 27,22	2,519	65 54 44,1	7,794	28
37376	Cygnus ....φ	5	31 28,81	2,367	60 17 52,1	7,796	22
37377	Cygnus	8½	31 29,60	1,931	47 14 51,1	7,796	237
37378	Cygnus	8	31 29,77	1,931	47 14 45,3	7,797	295
37379	Aquila	8½	31 35,48	2,962	85 0 32,9	7,805	91
37380	Cygnus	8½	31 36,10	1,543	38 54 11,9	7,805	330
37381	Sagittarius....	9½	31 36,72	3,649	115 20 25,8	7,807	174
37382	Aquila	•	31 36,74	3,211	96 32 5,5	7,807	99
37383	Sagittarius....	9	31 36,76	3,649	115 10 20,6	7,807	175
37384	Cygnus	7	31 37,17	2,360	60 2 26,8	7,807	22
37385	Sagittarius....	9	31 41,02	3,658	115 32 17,8	7,812	175
37386	Cygnus	8	31 43,83	2,223	55 30 2,1	7,816	19
37387	Vulpecula	6	31 43,97	2,621	69 58 32,4	7,816	93
37388	Sagittarius....	8½	31 45,36	3,392	104 41 24,4	7,818	115
37389	Draco.....	9	31 47,65	0,357	24 25 0,8	7,821	362
37390	Aquila	8	31 48,54	2,792	77 16 58,8	7,821	103
37391	Aquila	9	31 49,28	3,279	99 40 13,1	7,823	111
37392	Aquila	9	31 49,28	3,054	89 16 8,5	7,823	96
37393	Aquila	•	31 49,55	2,792	77 17 1,8	7,823	104
37394	Aquila	6	31 49,88	2,777	76 38 15,9	7,823	103
37395	Aquila	8	31 51,93	2,858	80 15 37,1	7,827	87
37396	Vulpecula	8	31 52,59	2,594	68 52 35,1	7,828	105
37397	Vulpecula	7½	31 53,10	2,594	68 52 41,7	7,829	568
37398	Aquila	8	31 54,76	3,053	89 12 33,3	7,830	96
37399	Sagittarius....	9	31 58,60	3,727	118 6 9,6	7,836	175
37400	Cygnus	8	19 32 1,29	+1,820	44 33 48,8	-7,839	240

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37401	Sagitta	8	19 32 2,00	+2,681	72 27 36,8	-7,841	81
37402	Vulpecula	7	32 2,74	2,455	63 27 29,4	7,841	25
37403	Sagittarius....	6½	32 8,34	3,421	105 55 15,3	7,848	177
37404	Aquila	8½	32 9,32	3,312	101 7 53,7	7,850	114
37405	Vulpecula	7½	32 10,16	2,473	64 8 16,1	7,852	25
37406	Vulpecula	7	32 11,08	2,541	66 44 8,7	7,852	28
37407	Vulpecula	6½	32 11,71	2,541	66 44 5,5	7,854	102
37408	Cygnus	8	32 11,87	1,503	38 8 52,8	7,854	330
37409	Cygnus	6	32 13,42	2,254	56 28 21,9	7,856	296
37410	Cygnus	6	32 14,34	2,254	56 28 25,8	7,857	19
37411	Aquila	7	32 18,55	3,045	88 52 4,6	7,863	94
37412	Vulpecula	8	32 20,29	2,630	70 19 8,6	7,865	93
37413	Cygnus	8	32 20,56	2,031	49 49 27,8	7,865	12
37414	Cygnus	9	32 21,11	2,135	52 46 3,6	7,866	14
37415	Vulpecula	7½	32 22,40	2,519	65 52 57,4	7,868	102
37416	Vulpecula	8	32 22,64	2,519	65 52 57,6	7,868	28
37417	Cygnus	7	32 23,15	+1,663	41 10 19,8	7,868	386
37418	Draco.....	9	32 25,40	-0,679	18 9 57,7	7,872	360
37419	Sagitta	8	32 28,49	+2,676	72 15 49,3	7,875	81
37420	Sagittarius....	8	32 34,10	3,601	113 19 6,9	7,883	174
37421	Sagittarius....	8	32 34,33	3,600	113 19 11,1	7,883	178
37422	Aquila	8	32 35,46	2,863	80 28 7,2	7,884	87
37423	Cygnus	8½	32 37,49	2,436	62 43 29,6	7,889	239
37424	Cygnus	8½	32 38,33	2,436	62 43 31,8	7,889	23
37425	Vulpecula	7	32 39,15	2,573	58 0 13,7	7,890	568
37426	Aquila	9	32 39,15	3,276	99 31 42,3	7,891	111
37427	Vulpecula	7	32 39,57	2,573	88 0 16,7	7,891	105
37428	Sagittarius....	8	32 39,78	3,609	113 41 35,4	7,893	178
37429	Draco.....	8½	32 40,73	0,422	24 54 37,6	7,893	362
37430	Vulpecula	•	32 41,27	2,452	63 19 25,0	7,894	25
37431	Aquila	8½	32 41,56	3,047	88 55 43,6	7,894	94
37432	Cygnus	8	32 42,56	2,219	55 18 25,5	7,895	297
37433	Sagittarius....	9	32 44,91	3,592	113 0 31,0	7,898	174
37434	Cygnus	8½	32 47,01	2,435	62 40 51,6	7,902	239
37435	Cygnus	8½	32 47,22	2,434	62 40 21,6	7,902	23
37436	Cygnus	7	32 47,46	1,908	46 36 46,7	7,902	11
37437	Cygnus	8½	32 49,04	2,216	55 12 22,3	7,903	297
37438	Aquila	6½	32 49,78	2,814	78 15 55,8	7,905	104
37439	Sagittarius....	9	32 53,34	3,719	117 51 12,7	7,911	175
37440	Cygnus	7	19 32 53,78	+2,333	59 2 57,1	-7,911	21

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37441	Cygnus	6	19 32 55.89	+1,949	47 38 8.3	-7.912	295
37442	Cygnus	6	32 56.31	1,949	47 38 12.2	7.914	237
37443	Aquila	9	32 57.26	3,283	99 51 43.3	7.914	111
37444	Aquila	9	32 57.75	3,045	88 52 5.3	7.916	94
37445	Cygnus	7½	32 57.99	1,564	39 12 56.7	7.916	330
37446	Cygnus	8	32 58.10	1,564	39 13 1.0	7.916	358
37447	Sagittarius.....	8½	32 58.85	3,464	107 46 44.2	7.917	171
37448	Cygnus	•	33 3.18	1,884	46 0 55.0	7.923	11
37449	Aquila	6½	33 5.68	2,899	82 4 59.8	7.927	89
37450	Aquila	8½	33 5.69	2,986	86 5 54.8	7.927	92
37451	Aquila χ	5½	33 9.53	2,823	78 37 59.2	7.930	104
37452	Aquila χ	5	33 9.65	2,823	78 37 58.3	7.932	87
37453	Vulpecula	8	33 12.58	+2,532	66 21 49.7	7.935	28
37454	Draco.....	9½	33 12.74	-2,575	12 16 34.8	7.935	361
37455	Cygnus	8	33 12.98	+2,437	62 45 6.6	7.936	239
37456	Cygnus	8½	33 13.71	2,437	62 45 16.4	7.936	23
37457	Sagitta	8½	33 14.53	2,745	75 12 23.2	7.938	103
37458	Aquila	8	33 15.25	3,260	98 47 11.4	7.939	101
37459	Aquila	8	33 17.65	3,065	89 47 12.1	7.941	96
37460	Vulpecula	8½	33 18.53	+2,607	69 20 17.7	7.943	93
37461	Draco.....	7	33 19.11	-3,361	10 48 38.8	7.944	361
37462	Aquila	8½	33 21.45	+3,319	101 29 34.6	7.947	114
37463	Aquila	7½	33 22.95	2,990	86 17 12.9	7.949	92
37464	Cygnus	7	33 23.21	2,353	59 44 15.5	7.949	22
37465	Sagitta	7½	33 24.48	2,671	71 59 44.2	7.950	81
37466	Vulpecula	8	33 24.55	2,609	69 26 59.8	7.950	93
37467	Aquila	9	33 25.97	3,321	101 34 34.8	7.952	114
37468	Aquila	8½	33 27.14	+3,079	90 26 55.5	7.954	96
37469	Draco.....	7	33 31.43	-3,353	10 48 41.7	7.960	365
37470	Aquila	8	33 41.50	+3,323	101 39 32.1	7.975	114
37471	Aquila	8	33 42.17	2,940	83 58 55.8	7.975	91
37472	Vulpecula	6½	33 42.67	2,446	63 4 41.7	7.976	239
37473	Vulpecula	7	33 43.17	2,447	63 4 47.4	7.977	23
37474	Vulpecula	6½	33 43.79	2,447	63 4 45.1	7.977	25
37475	Cygnus	8½	33 44.63	1,534	38 37 7.9	7.979	330
37476	Cygnus	9	33 48.04	1,573	39 21 5.4	7.983	358
37477	Cygnus	8	33 48.45	1,573	39 21 2.6	7.984	330
37478	Cygnus	7	33 49.51	2,351	59 39 10.2	7.986	22
37479	Aquila	8	33 52.41	2,819	78 26 38.5	7.989	104
37480	Aquila	7	19 33 53.90	+3,309	101 2 10.2	-7.991	111

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37481	Sagittarius....	8	19 33 58,61	+3,715	117 44 20,1	-7,997	175
37482	Cygnus	9	33 59,64	2,018	49 22 44,3	7,998	12
37483	Cygnus	7½	34 1,69	2,290	57 22 36,8	8,000	21
37484	Vulpecula	9	34 6,95	2,608	69 22 13,4	8,007	93
37485	Aquila	8	34 10,56	2,815	78 15 30,1	8,013	104
37486	Cygnus	7	34 12,38	1,942	47 22 55,4	8,015	237
37487	Cygnus	6½	34 12,71	1,942	47 22 49,7	8,015	295
37488	Vulpecula	7	34 14,03	2,565	67 36 45,3	8,018	568
37489	Vulpecula	7	34 14,17	2,565	67 36 38,5	8,018	105
37490	Aquila	•	34 17,05	2,782	76 46 16,0	8,023	103
37491	Sagittarius....	8	34 17,36	3,650	115 20 56,0	8,023	175
37492	Aquila	8½	34 19,90	3,146	93 34 21,0	8,025	182
37493	Aquila	8	34 19,98	3,146	93 34 14,5	8,026	109
37494	Sagitta	9	34 20,69	2,706	73 28 56,5	8,026	176
37495	Vulpecula	6	34 21,28	2,451	63 12 37,9	8,028	25
37496*	Cygnus	7	34 23,75	1,873	45 40 21,8	8,030	11
37497	Aquila	7	34 26,86	2,874	80 56 51,1	8,035	87
37498	Cygnus	7½	34 28,32	1,884	45 55 58,1	8,037	11
37499	Vulpecula	8	34 28,54	2,579	68 9 48,9	8,037	568
37500	Aquila	8	34 32,81	2,917	82 52 51,7	8,042	89
37501	Cygnus	8	34 33,20	1,979	48 19 3,8	8,042	295
37502	Cygnus	8	34 36,11	2,219	55 14 11,3	8,046	16
37503	Vulpecula	8½	34 36,95	2,441	62 50 54,2	8,048	239
37504	Aquila	7½	34 37,19	2,973	85 29 26,7	8,048	92
37505	Vulpecula	8	34 38,27	2,441	62 50 59,7	8,050	23
37506	Cygnus	8	34 38,42	1,979	48 19 14,2	8,050	237
37507	Sagittarius....	9	34 38,86	3,564	111 59 38,1	8,050	174
37508	Cygnus	6	34 39,50	1,842	44 56 30,3	8,052	240
37509	Aquila	8½	34 39,84	3,134	92 59 48,9	8,054	98
37510	Aquila	8	34 40,90	3,145	93 30 21,3	8,054	113
37511	Aquila	7½	34 41,04	3,145	93 30 19,1	8,054	109
37512	Sagittarius... f	6.	34 41,17	3,521	110 13 43,7	8,054	173
37513	Vulpecula	6½	34 41,31	2,520	65 51 1,4	8,054	28
37514	Aquila	7½	34 41,43	3,145	93 30 20,8	8,054	182
37515	Aquila	8	34 41,74	3,231	97 29 5,3	8,054	101
37516	Aquila	7	34 42,96	3,231	97 29 9,0	8,056	99
37517	Sagittarius....	8	34 43,83	3,693	116 57 39,8	8,058	175
37518	Cygnus	7	34 46,51	2,058	50 26 24,0	8,061	12
37519	Vulpecula	7½	34 49,17	2,447	63 3 21,8	8,065	23
37520	Vulpecula	8	19 34 49,37	+2,447	63 3 21,3	-8,065	239

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37521	Vulpecula	7	19 34 49.48	+2,574	67° 58' 17.7	-8.065	568
37522	Vulpecula	7½	34 49.77	2,574	67 58 15.7	8.065	105
37523	Vulpecula	8	34 49.80	2,447	63 3 18.5	8.065	25
37524	Cygnus	8½	34 51.82	1,523	38 21 51.3	8.069	330
37525	Aquila	7½	35 0.66	3,112	91 58 10.0	8.079	98
37526	Aquila	6	35 2.16	2,892	81 44 28.3	8.081	89
37527	Cygnus	6	35 3.16	2,306	58 2 17.9	8.083	21
37528	Cygnus	9	35 3.33	1,708	41 57 0.8	8.083	386
37529	Sagittarius....	9	35 4.10	3,620	114 12 37.0	8.085	178
37530	Cygnus	8	35 6.97	2,014	49 12 35.5	8.088	12
37531	Sagittarius....	9	35 7.06	3,436	106 40 56.3	8.088	177
37532	Aquila	8	35 9.71	3,037	87 33 32.4	8.093	94
37533	Aquila	8	35 10.70	3,083	90 36 55.1	8.093	96
37534	Aquila	7	35 12.85	2,844	79 33 24.1	8.097	87
37535	Aquila ψ	6	35 15.96	2,791	77 9 58.4	8.100	170
37536	Aquila ψ	7	35 16.06	2,791	77 9 59.0	8.100	103
37537	Cygnus	6	35 17.72	2,357	59 47 20.4	8.102	22
37538*	Cygnus	7½	35 20.11	2,114	52 □ 11.0	8.106	14
37539	Cygnus	7½	35 20.17	2,370	60 14 7.9	8.106	22
37540	Aquila	8½	35 20.22	3,338	102 21 22.2	8.106	114
37541	Aquila	7	35 21.88	3,095	91 9 54.4	8.108	96
37542	Vulpecula	5	35 24.04	2,491	64 41 49.7	8.112	28
37543	Vulpecula	5	35 24.37	2,491	64 41 48.6	8.112	28
37544	Sagittarius....	9	35 24.37	3,523	110 21 10.5	8.112	173
37545	Aquila	6½	35 24.38	3,141	93 21 18.4	8.112	109
37546	Aquila	7	35 24.48	3,141	93 21 23.6	8.112	113
37547	Aquila	6½	35 24.57	3,141	93 21 24.1	8.112	182
37548	Aquila	7½	35 26.88	2,847	79 41 34.3	8.116	87
37549	Sagittarius....	8½	35 28.90	3,669	116 6 15.4	8.117	175
37550	Sagittarius....	8½	35 29.28	3,726	118 12 33.3	8.118	175
37551	Cygnus	8	35 29.83	2,204	54 42 58.3	8.119	16
37552	Cygnus	8	35 30.33	2,246	56 2 40.6	8.119	297
37553	Cygnus	8	35 31.87	2,246	56 2 42.4	8.121	19
37554	Cygnus	8	35 34.17	1,765	43 8 11.6	8.125	386
37555	Aquila	8½	35 35.64	3,018	87 34 40.2	8.127	94
37556	Sagitta	6	35 36.75	2,670	71 52 55.2	8.128	81
37557	Cygnus	8	35 38.31	2,214	55 □ 25.5	8.130	16
37558	Aquila	8	35 40.24	2,910	82 33 35.5	8.132	89
37559	Cygnus	6	35 41.02	2,061	50 26 26.5	8.134	12
37560	Vulpecula	6	19 35 44.58	+2,456	63 20 2.3	-8.138	25

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37561	Vulpecula	6½	19 35 44.65	+2,456	63 20 8.2	-8,138	23
37562	Vulpecula	6	35 44.77	2,456	63 19 56.3	8,139	239
37563	Sagitta	8½	35 45.39	2,711	73 39 18.1	8,139	176
37564	Vulpecula	8	35 46.01	2,448	63 1 44.0	8,140	239
37565	Aquila	8	35 46.70	3,343	102 37 27.0	8,141	114
37566	Sagitta	7	35 49.98	2,666	71 44 34.8	8,145	81
37567	Cygnus	9	35 50.37	1,618	40 5 0.7	8,146	358
37568	Sagittarius....	9½	35 54.88	3,676	116 22 31.1	8,153	175
37569	Aquila u	5½	35 55.80	2,917	82 51 31.8	8,153	89
37570	Cygnus	8½	35 55.96	2,318	58 23 22.7	8,153	21
37571	Aquila	7½	35 58.54	2,989	86 13 32.6	8,157	92
37572	Cygnus	6	36 8.18	2,108	51 47 52.4	8,168	14
37573	Vulpecula	8½	36 9.56	2,601	69 1 10.0	8,172	568
37574	Vulpecula	8½	36 9.56	+2,601	69 1 16.8	8,172	93
37575	Draco.....	9	36 10.25	-3,426	10 38 52.1	8,174	361
37576	Cygnus	7	36 11.02	+2,062	50 28 19.2	8,174	12
37577	Sagittarius....	7	36 11.83	3,549	111 26 12.0	8,176	174
37578	Sagittarius....	7½	36 11.90	3,549	111 26 6.3	8,176	173
37579	Aquila	7½	36 14.09	3,109	91 51 9.2	8,177	98
37580	Draco.....	9	36 16.14	0,431	24 49 57.5	8,181	362
37581	Aquila	8½	36 18.10	3,158	94 8 24.8	8,183	113
37582	Aquila	8	36 18.27	3,158	94 8 18.8	8,183	182
37583	Aquila	8	36 18.32	3,158	94 8 20.1	8,183	109
37584	Cygnus	6	36 19.46	2,256	56 18 27.7	8,185	297
37585	Cygnus	5½	36 20.34	+2,256	56 18 32.3	8,187	19
37586	Draco.....	9	36 21.15	-3,430	10 38 16.2	8,187	365
37587	Aquila	9	36 25.15	+3,019	87 36 56.9	8,193	94
37588	Aquila	9	36 25.92	2,988	86 10 36.2	8,195	92
37589	Vulpecula	8	36 28.77	2,615	69 33 27.4	8,198	93
37590	Cygnus r	6	36 29.28	1,612	39 55 57.5	8,198	387
37591	Cygnus c	6	36 29.29	1,612	39 55 58.4	8,198	387
37592	Cygnus c	8	36 29.67	1,612	39 55 58.8	8,198	358
37593	Cygnus .....	.	36 31.29	1,612	39 56 27.4	8,200	387
37594	Cygnus .....	.	36 32.08	1,612	39 56 23.5	8,202	387
37595	Cygnus	9	36 32.35	1,612	39 56 23.7	8,202	358
37596	Sagittarius....	6½	36 41.59	3,753	119 15 52.2	8,214	175
37597	Cygnus	6½	36 41.69	2,121	52 8 57.4	8,214	14
37598	Aquila γ	3	36 44.47	2,851	79 51 46.9	8,218	176
37599	Aquila γ	3	36 44.48	2,851	79 51 46.2	8,218	103
37600	Aquila γ	3	19 36 44.91	+2,851	79 51 47.0	-8,218	87

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37601	Aquila γ	3	19 36 44.94	+2,851	79 51 47.3	-8.218	104
37602	Aquila γ	3	36 44.96	2,851	79 51 49.8	8.219	105
37603	Aquila γ	3	36 45.18	2,851	79 51 48.3	8.219	170
37604	Aquila γ	3	36 45.43	2,851	79 51 47.2	8.219	91
37605	Aquila γ	.	36 45.51	2,851	79 51 47.0	8.220	102
37606	Cygnus	6½	36 48.27	2,399	61 12 29.1	8.222	22
37607	Cygnus	7½	36 48.49	2,072	50 43 49.1	8.224	12
37608	Cygnus	7½	36 48.69	2,399	61 12 27.5	8.224	239
37609	Cygnus	7½	36 48.98	2,399	61 12 34.8	8.224	23
37610	Cygnus	7½	36 51.93	1,774	43 15 34.8	8.228	386
37611	Cygnus	7	36 52.62	2,133	52 27 55.6	8.229	14
37612	Cygnus	7½	36 52.64	1,774	43 15 37.8	8.229	240
37613	Cygnus	7	36 56.10	2,540	66 31 55.7	8.233	28
37614	Aquila	9	36 56.60	3,154	93 56 3.5	8.233	113
37615	Aquila	9	36 56.62	3,153	93 55 54.2	8.234	109
37616	Aquila	9	36 56.65	3,153	93 55 55.9	8.234	182
37617	Aquila	8	37 0.61	3,118	92 17 12.0	8.239	98
37618	Cygnus	6	37 3.97	2,155	53 7 15.7	8.245	16
37619	Cygnus	6	37 4.18	1,999	48 41 55.6	8.245	237
37620	Cygnus	6	37 4.61	1,999	48 41 54.4	8.245	295
37621	Cygnus	7	37 7.66	2,249	56 3 36.2	8.249	297
37622	Cygnus	6	37 8.58	2,249	56 3 38.5	8.251	19
37623	Aquila	8	37 8.98	3,192	95 42 52.5	8.251	99
37624	Vulpecula	8	37 9.68	2,583	68 13 14.0	8.252	568
37625	Aquila	8½	37 20.63	3,120	92 23 0.1	8.266	98
37626	Aquila	7	37 23.02	3,056	89 22 42.2	8.270	96
37627	Vulpecula	8	37 26.61	2,537	66 22 52.3	8.273	28
37628	Cygnus	7½	37 27.81	1,774	43 13 37.4	8.275	240
37629	Cygnus	8	37 27.89	1,774	43 13 33.3	8.275	386
37630	Cygnus	8	37 29.14	2,339	59 3 9.4	8.277	21
37631	Aquila	8	37 32.30	3,342	102 36 7.2	8.281	114
37632	Aquila	7½	37 34.20	3,081	90 32 33.9	8.285	96
37633	Vulpecula	8½	37 35.48	2,616	69 33 6.9	8.285	93
37634	Aquila	8	37 35.79	3,089	90 55 13.8	8.287	96
37635	Cygnus	9	37 37.12	2,391	60 52 41.2	8.289	22
37636	Draco.....	9	37 40.79	0,466	25 3 53.5	8.292	362
37637	Sagittarius....	9	37 41.61	3,686	116 50 52.2	8.294	175
37638	Sagittarius....	7½	37 42.24	3,346	102 48 8.0	8.294	114
37639	Vulpecula	7½	37 42.88	2,578	68 10 31.8	8.296	568
37640	Vulpecula	19 37 51.41	+2,511	65 20 49.0	-8.309	28

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37641	Cygnus	9	19 37 52.04	+2,435	62° 9' 4.3	-8,309	239
37642	Sagittarius....	9	37 53.97	3,617	114 12 16.0	8,310	178
37643	Aquila	7½	37 54.63	+2,957	84 41 59.2	8,312	91
37644	Draco.....	8½	37 55.33	-1,435	15 7 12.0	8,312	360
37645	Aquila	8½	37 55.88	+3,237	97 49 34.0	8,314	101
37646	Aquila	8½	37 56.57	2,917	82 49 54.9	8,314	89
37647	Cygnus	8½	37 57.39	2,275	56 50 59.8	8,316	19
37648	Cygnus	8	37 57.60	2,275	56 51 2.9	8,316	297
37649	Aquila	7	38 0.09	3,314	101 21 18.5	8,320	111
37650	Cygnus	6	38 1.12	2,040	49 45 27.4	8,320	12
37651	Draco.....	9	38 1.77	0,472	25 5 57.4	8,322	362
37652	Sagittarius....	8	38 5.66	3,695	117 12 8.0	8,326	175
37653	Aquila	7½	38 15.59	3,119	92 18 32.5	8,339	98
37654	Cygnus	8	38 15.59	1,508	37 54 43.8	8,339	300
37655	Vulpecula	6	38 15.87	2,511	65 20 48.8	8,339	28
37656	Vulpecula ....	.	38 16.05	2,511	65 18 38.7	8,339	28
37657	Cygnus	8½	38 16.16	2,411	61 34 11.5	8,341	239
37658	Cygnus	8½	38 18.36	2,419	61 50 25.7	8,343	239
37659	Sagittarius....	8	38 18.55	+3,593	113 15 59.4	8,343	174
37660	Draco.....	8½	38 18.61	-1,519	14 50 37.2	8,343	360
37661	Cygnus	8	38 18.85	+2,198	54 23 15.3	8,344	16
37662	Sagittarius....	8½	38 19.18	3,593	113 16 10.5	8,344	178
37663	Cygnus	8	38 20.35	2,199	54 23 25.3	8,347	16
37664	Aquila	8	38 21.73	3,176	94 58 53.1	8,348	182
37665	Aquila	8	38 21.74	3,176	94 58 56.6	8,349	113
37666	Aquila	8	38 22.07	3,176	94 58 47.2	8,350	109
37667	Aquila	7½	38 23.98	2,865	80 26 38.2	8,351	87
37668	Cygnus	7	38 24.12	+2,233	55 28 0.1	8,351	297
37669	Draco.....	9	38 27.14	-2,564	12 10 40.4	8,354	361
37670	Draco.....	7½	38 27.19	-2,564	12 10 40.4	8,354	361
37671	Sagitta δ	4	38 28.00	+2,673	71 56 56.8	8,356	81
37672	Cygnus	8	38 28.29	1,877	45 32 57.2	8,356	11
37673	Aquila	8	38 29.17	3,007	87 3 2.2	8,358	92
37674	Cygnus	8	38 31.68	2,321	58 21 48.2	8,360	21
37675	Sagitta	8	38 32.32	2,734	74 34 34.2	8,362	176
37676	Vulpecula	7½	38 38.64	2,596	68 42 44.7	8,370	568
37677	Cygnus δ	3½	38 43.22	1,869	45 21 0.2	8,375	240
37678	Cygnus δ	3½	38 43.26	1,869	45 21 1.5	8,375	237
37679	Cygnus δ	3½	38 43.31	1,869	45 21 0.1	8,375	295
37680	Cygnus δ	4½	19 38 43.80	+1,869	45 21 0.9	-8,377	11

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37681	Sagitta	8	19 38 44.06	+2,656	71 12 7.7	-8,377	93
37682	Cygnus	9	38 44.26	1,600	39 34 34.6	8,377	358
37683	Sagitta	9	38 44.32	2,733	74 31 33.1	8,377	176
37684	Vulpecula ....	.	38 45.74	2,589	68 24 56.4	8,379	568
37685	Cygnus	7½	38 47.29	1,507	37 52 0.6	8,381	300
37686	Cygnus	6	38 49.71	2,273	56 43 45.4	8,385	297
37687	Aquila	8	38 49.98	3,310	101 12 51.7	8,385	111
37688	Aquila	7½	38 50.80	2,790	77 1 31.2	8,387	103
37689	Cygnus χ	5	38 51.20	2,273	56 43 44.3	8,387	19
37690	Cygnus	8½	38 51.26	2,353	59 26 56.1	8,387	22
37691	Aquila	7½	38 51.28	2,790	77 1 38.0	8,387	105
37692	Cygnus	6½	38 55.10	+2,299	57 35 38.1	8,392	21
37693	Draco.....	8½	38 56.78	-1,314	15 29 14.5	8,394	360
37694	Cygnus	8	38 58.11	+2,048	49 55 30.0	8,397	12
37695	Cygnus	6½	39 0.40	2,851	79 47 32.8	8,399	87
37696	Cygnus	8	39 0.42	2,072	50 35 30.5	8,399	12
37697	Aquila	8	39 0.57	3,176	95 1 3.1	8,399	109
37698	Aquila	8½	39 1.24	3,176	95 1 11.4	8,401	113
37699	Aquila	9	39 1.75	3,176	95 1 3.0	8,401	182
37700	Sagittarius....	7½	39 10.68	3,382	104 24 49.5	8,412	115
37701	Aquila	7½	39 11.93	3,295	100 29 52.9	8,414	111
37702	Aquila	8	39 15.15	+3,002	86 49 54.3	8,418	92
37703	Draco.....	9½	39 17.02	-2,626	12 1 46.5	8,421	361
37704	Vulpecula	8	39 18.30	+2,585	68 15 14.2	8,422	568
37705	Sagitta	8	39 18.57	2,655	71 7 25.3	8,424	93
37706	Cygnus	8	39 21.80	1,878	45 31 1.7	8,428	11
37707	Sagittarius....	8	39 22.42	3,703	117 34 32.0	8,428	175
37708	Cygnus	8½	39 22.50	2,424	61 59 53.7	8,428	239
37709	Aquila	9	39 25.61	3,178	95 6 56.2	8,431	109
37710	Vulpecula	5	39 25.70	2,506	65 6 2.9	8,431	28
37711	Cygnus	8	39 25.75	2,359	59 38 39.0	8,431	22
37712	Vulpecula	5½	39 26.02	2,506	65 6 2.8	8,433	28
37713	Vulpecula	5	39 26.08	2,506	65 6 2.1	8,433	25
37714	Aquila	9	39 27.13	3,020	87 38 40.5	8,433	94
37715	Draco.....	9½	39 27.83	0,314	23 45 42.7	8,435	362
37716	Sagitta	8	39 28.18	2,754	75 25 44.5	8,435	103
37717	Aquila .....	.	39 28.69	2,904	82 12 47.0	8,435	89
37718	Sagitta	7	39 33.51	2,672	71 50 0.0	8,443	81
37719	Draco.....	9½	39 34.21	0,454	24 52 47.8	8,443	362
37720	Cygnus	8½	19 39 36.27	+2,354	59 28 32.7	-8,447	22

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37721	Cygnus	8	19 39 36,99	+2,086	50 58 13,6	-8,447	12
37722	Aquila	7½	39 39,66	3,019	87 37 6,4	8,450	94
37723	Vulpecula	8	39 44,29	2,587	68 17 17,2	8,457	568
37724	Aquila	5½	39 45,81	3,311	101 15 29,7	8,459	114
37725	Aquila	6½	39 46,18	3,311	101 15 30,3	8,459	111
37726	Sagitta	7	39 50,00	2,667	71 37 13,5	8,465	81
37727	Vulpecula	9	39 51,70	2,593	68 31 44,5	8,467	568
37728	Cygnus	6	39 52,25	2,442	62 37 59,6	8,467	23
37729	Cygnus	6	39 52,37	2,442	62 37 49,1	8,468	25
37730	Cygnus	6½	39 52,79	2,446	62 47 4,7	8,468	23
37731	Sagitta	8	39 54,24	2,719	73 51 40,7	8,470	176
37732	Sagitta	7	39 54,56	2,648	70 49 43,6	8,470	93
37733	Cygnus	7	39 54,63	2,446	62 47 3,3	8,470	25
37734	Vulpecula	6½	39 57,69	2,517	65 28 43,0	8,474	28
37735	Cygnus	7½	39 58,97	1,896	45 55 9,7	8,476	11
37736	Vulpecula	8½	40 1,71	2,592	68 30 11,5	8,480	568
37737	Sagitta	8½	40 4,99	2,753	75 21 56,1	8,484	103
37738	Cygnus	6	40 5,25	2,430	62 9 38,6	8,484	239
37739	Sagitta ζ	5½	40 6,09	2,661	71 20 59,2	8,486	93
37740	Sagitta ζ	5	40 6,17	2,661	71 20 58,0	8,486	81
37741	Sagitta	8½	40 7,00	2,751	75 17 8,0	8,486	103
37742	Vulpecula	6½	40 10,19	2,518	65 31 38,9	8,492	28
37743	Cygnus	7½	40 11,05	2,341	58 58 57,8	8,492	21
37744	Aquila	8	40 12,21	2,906	82 17 50,8	8,494	89
37745	Aquila	7	40 13,14	3,180	95 11 13,9	8,496	109
37746	Aquila	7	40 13,34	3,180	95 11 21,2	8,496	113
37747	Aquila	6	40 13,35	3,180	95 11 18,5	8,496	99
37748	Aquila	9	40 14,53	3,009	87 7 44,2	8,498	92
37749	Aquila	9	40 15,94	3,177	95 2 25,8	8,500	113
37750	Aquila	9	40 16,08	3,177	95 2 20,6	8,500	109
37751	Cygnus	7½	40 17,10	1,905	46 8 12,8	8,500	11
37752	Aquila	8	40 20,28	2,913	82 38 19,4	8,504	89
37753	Cygnus	6	40 21,65	2,126	52 4 46,2	8,506	14
37754	Sagitta	8	40 22,06	2,645	70 41 44,1	8,507	93
37755	Aquila	8½	40 23,93	3,065	89 46 10,7	8,509	96
37756	Aquila	9	40 29,59	3,178	95 6 40,9	8,517	113
37757	Cygnus	8	40 31,14	2,130	52 11 22,2	8,519	14
37758	Aquila	6	40 35,14	2,912	82 35 26,2	8,523	89
37759	Aquila	7½	40 39,40	3,315	101 26 50,2	8,529	114
37760	Aquila	8	19 40 40,24	+2,828	78 42 46,7	-8,531	105

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37761	Cygnus	7½	19 40 41.18	+2,401	61 5 15.8	-8,533	22
37762	Aquila	7½	40 42.91	3,062	89 39 5.3	8,535	96
37763	Aquila	6	40 45.70	3,132	92 57 18.0	8,539	98
37764	Cygnus	7½	40 46.89	1,980	48 0 18.8	8,539	295
37765	Aquila	8	40 54.30	2,986	86 2 55.9	8,549	92
37766	Vulpecula	6½	40 57.35	2,447	62 44 54.7	8,553	25
37767	Vulpecula	7	40 57.52	2,447	62 44 52.6	8,553	239
37768	Vulpecula	6½	40 57.77	2,447	62 44 56.0	8,555	23
37769	Sagittarius....	8½	40 59.46	3,658	115 57 33.4	8,557	175
37770	Cygnus .....	.	41 0.91	2,150	52 45 51.5	8,558	14
37771	Aquila α	2	41 1.22	2,892	81 38 59.2	8,558	105
37772	Aquila α	2	41 1.25	2,892	81 38 56.6	8,559	170
37773	Aquila α	2	41 1.26	2,892	81 38 54.3	8,559	87
37774	Aquila α	2	41 1.57	2,892	81 38 57.1	8,559	188
37775	Aquila α	2	41 1.59	2,892	81 38 58.6	8,559	91
37776	Cygnus	8	41 1.75	2,169	53 19 48.6	8,559	16
37777	Cygnus	8	41 1.76	1,653	40 29 4.8	8,559	358
37778	Aquila .....	.	41 2.13	2,892	81 38 56.2	8,561	102
37779	Aquila	8	41 3.05	3,301	100 50 56.4	8,561	111
37780	Cygnus	8	41 3.75	1,987	48 10 6.7	8,563	295
37781	Aquila	7	41 4.87	3,313	101 23 30.8	8,563	114
37782	Sagittarius....	9	41 5.01	3,548	111 33 58.5	8,563	174
37783	Cygnus	7	41 13.04	2,286	57 3 13.2	8,574	297
37784	Cygnus	8	41 13.34	2,424	61 54 45.8	8,574	239
37785	Cygnus	7	41 15.60	2,229	55 11 4.1	8,577	297
37786	Sagitta	7	41 15.76	2,695	72 47 0.7	8,578	81
37787	Cygnus	7	41 15.83	2,229	55 11 5.4	8,578	16
37788	Cygnus	9	41 19.85	2,424	61 53 15.8	8,582	239
37789	Aquila	9	41 23.34	3,284	100 3 34.4	8,588	111
37790	Aquila	8	41 23.69	3,315	101 27 29.9	8,588	114
37791	Aquila	7	41 28.01	2,994	86 24 28.3	8,594	92
37792	Cygnus	8½	41 30.11	2,403	61 7 14.3	8,596	22
37793	Sagitta	7½	41 30.85	2,705	73 13 40.3	8,598	81
37794	Cygnus	6	41 35.38	1,755	42 34 45.4	8,604	386
37795	Vulpecula	6	41 42.04	2,465	63 24 42.0	8,612	25
37796	Cygnus	7	41 46.37	2,077	50 34 37.0	8,618	12
37797	Sagittarius....	7½	41 46.84	3,396	105 6 12.7	8,618	115
37798	Vulpecula	8	41 47.79	2,463	63 19 48.8	8,620	25
37799	Cygnus	6	41 48.29	2,429	62 3 21.9	8,620	239
37800	Aquila	7	19 41 51.56	+3,046	88 53 47.1	-8,624	94

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37801	Sagitta	8½	19 41 53.55	+2,754	75 19 52.2	-8,628	103
37802	Sagittarius....	8½	41 54.83	3,690	117 11 55.7	8,630	175
37803	Sagitta	8	41 55.73	2,715	73 38 23.7	8,630	176
37804	Sagitta	6½	41 57.04	2,637	70 17 12.8	8,632	93
37805	Vulpecula	8	41 57.63	+2,541	66 20 32.8	8,634	28
37806	Draco.....	9	41 59.63	-2,419	12 24 14.8	8,636	361
37807	Aquila	8	42 0.60	+3,198	96 3 9.2	8,636	99
37808	Vulpecula ....	.	42 2.75	2,591	68 23 4.3	8,640	568
37809	Sagitta	7	42 4.05	2,641	70 27 32.0	8,642	93
37810	Aquila	7½	42 5.25	2,909	82 25 46.2	8,644	89
37811	Aquila	8	42 10.71	2,877	80 56 40.3	8,650	87
37812	Aquila η	3	42 16.51	3,059	89 29 48.8	8,658	188
37813	Sagittarius....	2	42 17.17	3,618	114 25 26.9	8,660	178
37814	Aquila η	4½	42 17.43	3,059	89 29 50.1	8,662	96
37815	Aquila	8	42 19.46	3,067	89 51 7.9	8,662	96
37816	Cygnus	6	42 22.14	2,120	51 47 8.7	8,666	14
37817	Cygnus	7	42 22.52	2,120	51 47 3.0	8,666	297
37818	Draco.....	9½	42 22.62	0,353	23 56 18.4	8,666	362
37819	Aquila	7½	42 22.95	2,923	83 2 41.2	8,666	89
37820	Vulpecula	5	42 27.07	2,580	67 53 18.8	8,671	568
37821	Vulpecula	6	42 27.14	2,580	67 53 20.1	8,672	298
37822	Cygnus	7½	42 27.39	2,366	59 44 32.4	8,672	22
37823	Vulpecula	7	42 28.66	2,530	65 52 16.0	8,674	28
37824	Aquila	9	42 30.97	3,296	100 36 43.9	8,678	111
37825	Cygnus	8	42 32.13	2,018	48 54 16.0	8,678	237
37826	Aquila	7	42 35.85	3,197	96 2 26.0	8,684	99
37827	Cygnus	9	42 37.30	1,559	38 35 43.4	8,686	300
37828	Cygnus	7½	42 37.79	1,905	46 3 0.3	8,686	11
37829	Cygnus	8½	42 43.83	2,261	56 8 23.8	8,694	297
37830	Vulpecula	8	42 46.75	2,474	63 41 10.7	8,698	25
37831	Sagitta	8½	42 47.05	2,640	70 21 26.5	8,698	93
37832	Aquila	5	42 49.51	3,146	93 37 7.6	8,702	109
37833	Aquila	6	42 49.55	3,146	93 37 18.9	8,702	113
37834	Aquila	6½	42 49.84	3,146	93 37 12.2	8,704	182
37835	Cygnus	8	42 52.64	2,305	57 35 1.8	8,706	21
37836	Vulpecula	8	42 54.23	2,450	62 47 1.0	8,708	23
37837	Vulpecula	8½	42 55.17	2,588	68 12 50.2	8,708	568
37838	Vulpecula	8	42 55.35	2,588	68 12 52.3	8,709	298
37839	Aquila	8½	42 55.58	3,073	90 10 45.5	8,710	96
37840	Cygnus	8½	19 42 55.64	+2,261	56 6 51.6	-8,710	297

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37841	Vulpecula	8½	19 42 57.16	+2,591	68 20 34.4	-8,711	569
37842	Cygnus	7½	42 57.44	2,207	54 24 5.5	8,712	16
37843	Sagitta	8½	42 58.77	2,751	75 10 51.3	8,714	176
37844	Sagitta	8	42 59.38	2,751	75 10 49.5	8,714	103
37845	Cygnus	8½	43 2.02	1,969	47 35 17.4	8,718	295
37846	Sagittarius	9	43 8.30	3,616	114 24 59.6	8,726	178
37847	Cygnus	5½	43 9.76	2,056	49 54 2.5	8,728	12
37848	Aquila	6½	43 16.46	3,262	99 4 50.9	8,736	111
37849	Aquila	6	43 16.69	3,262	99 4 51.8	8,736	101
37850	Vulpecula	8	43 19.03	2,490	64 16 39.8	8,740	28
37851	Vulpecula	7	43 19.20	2,457	63 2 32.1	8,740	23
37852	Vulpecula	7	43 19.33	2,458	63 2 31.7	8,740	25
37853	Vulpecula	8	43 22.49	2,490	64 16 1.7	8,744	28
37854	Sagitta	8	43 23.07	2,647	70 39 6.6	8,746	93
37855	Aquila	7	43 24.91	2,988	86 6 23.8	8,748	92
37856	Sagitta	6	43 26.53	2,675	71 49 56.0	8,750	81
37857	Vulpecula	8	43 27.19	2,490	64 15 58.9	8,750	25
37858	Cygnus	5	43 28.36	2,122	51 47 5.9	8,752	14
37859	Cygnus	6	43 28.45	2,122	51 47 2.6	8,752	297
37860	Aquila	9	43 32.96	3,295	100 37 8.5	8,758	111
37861	Sagittarius . . ω	5	43 33.81	3,678	116 48 55.0	8,759	174
37862	Vulpecula	8	43 33.93	2,595	68 28 12.5	8,759	298
37863	Sagittarius . . ω	5	43 34.11	3,678	116 48 57.8	8,760	175
37864	Sagittarius . . ω	5	43 34.23	3,678	116 48 59.7	8,760	175
37865	Vulpecula	8½	43 34.44	2,595	68 28 4.5	8,760	569
37866	Cygnus	6½	43 35.69	2,152	52 40 34.0	8,762	14
37867	Cygnus	9	43 36.16	2,019	48 52 23.6	8,762	237
37868	Vulpecula	5	43 36.95	2,522	65 30 42.9	8,764	28
37869	Sagittarius	8	43 37.85	3,684	117 3 53.3	8,764	175
37870	Cygnus	8½	43 42.73	2,275	56 31 43.9	8,771	297
37871	Sagittarius	8½	43 43.05	3,371	104 3 36.0	8,772	115
37872	Sagitta	7½	43 44.03	2,673	71 45 54.0	8,772	81
37873	Sagittarius	8	43 44.24	3,503	109 48 13.2	8,772	173
37874	Cygnus	•	43 44.68	2,052	49 46 13.0	8,774	12
37875	Aquila	6½	43 48.13	3,254	98 44 6.3	8,778	101
37876	Sagitta	8	43 48.24	2,731	74 15 38.7	8,778	176
37877	Aquila	7½	43 48.43	3,255	98 44 46.4	8,778	101
37878	Cygnus	7½	43 49.32	2,357	59 21 45.2	8,780	22
37879	Aquila	8½	43 50.76	3,215	96 53 18.0	8,782	99
37880	Sagittarius	8	19 43 51.62	+3,376	104 17 40.0	-8,782	115

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37881	Vulpecula	8	19 43 52.37	+2,585	68° 3' 10.0	-8,784	569
37882	Cygnus	8	43 56.27	1,942	46 50 31.9	8,788	11
37883	Cygnus	•	43 56.42	2,201	54 8 10.8	8,788	16
37884	Sagitta	8	43 59.02	2,672	71 41 38.7	8,792	81
37885	Vulpecula	8	44 2.52	2,585	68 3 6.8	8,796	298
37886	Cygnus	8½	44 8.23	1,501	37 26 51.7	8,804	300
37887	Vulpecula	7	44 8.29	2,437	62 15 3.7	8,804	23
37888	Vulpecula	7	44 8.33	2,437	62 14 57.3	8,804	239
37889	Cygnus	7½	44 9.64	2,272	56 26 8.7	8,806	297
37890	Aquila	8½	44 11.72	2,948	84 12 4.3	8,808	91
37891	Aquila	8	44 21.78	3,097	91 17 1.1	8,822	98
37892	Aquila	9	44 23.23	2,949	84 14 49.2	8,824	91
37893	Cygnus	9	44 24.78	1,741	42 6 33.9	8,826	386
37894	Cygnus	8½	44 27.44	2,193	53 52 4.2	8,828	16
37895	Vulpecula	7½	44 27.51	2,641	69 21 3.2	8,828	93
37896	Aquila	6	44 30.10	3,075	90 14 17.0	8,833	96
37897	Aquila	4½	44 33.03	2,902	82 2 50.3	8,837	89
37898	Sagitta	7½	44 34.55	2,637	70 10 21.3	8,839	93
37899	Cygnus	•	44 34.69	1,918	46 10 43.3	8,839	11
37900	Sagitta	7½	44 36.06	2,637	70 10 58.3	8,841	93
37901	Aquila	6	44 36.75	3,222	97 14 42.8	8,841	99
37902	Sagittarius . . δ	5	44 39.29	3,700	117 41 13.5	8,845	175
37903	Sagittarius . . δ	5	44 39.44	3,700	117 41 4.3	8,845	174
37904	Sagitta	8½	44 41.81	2,720	73 43 56.7	8,849	176
37905	Sagittarius	8½	44 42.99	3,593	113 34 50.8	8,850	178
37906	Cygnus	8½	44 43.27	2,436	62 9 52.0	8,850	239
37907	Cygnus	•	44 46.20	2,418	61 30 56.2	8,854	239
37908	Vulpecula	8	44 47.32	2,590	68 11 32.2	8,855	569
37909	Vulpecula	8	44 47.49	2,590	68 11 36.9	8,855	298
37910	Aquila	9	44 48.13	3,265	99 15 54.0	8,857	111
37911	Vulpecula	8	44 49.01	2,614	69 13 9.8	8,857	93
37912	Aquila	8	44 50.12	3,050	89 4 19.2	8,859	94
37913	Sagitta	8	44 51.29	2,753	75 13 7.6	8,861	176
37914	Cygnus	8	44 51.41	2,209	54 20 59.5	8,861	16
37915	Sagitta	7	44 51.52	2,753	75 13 5.6	8,861	103
37916	Aquila	•	44 52.30	3,098	91 21 19.0	8,861	98
37917	Cygnus	6	44 55.43	2,200	54 4 34.2	8,865	16
37918	Vulpecula	•	44 55.74	2,483	63 55 16.7	8,867	25
37919	Sagittarius	9	44 57.59	3,621	114 41 8.0	8,869	178
37920	Vulpecula	5	19 44 57.88	+2,546	66 25 57.1	-8,869	28

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37921	Aquila	7½	19 45 0,37	+2,874	80° 44' 42,7	-8,873	87
37922	Vulpecula	7	45 1,18	+2,487	64 5 44,9	8,874	25
37923	Draco.....	8½	45 1,78	-1,718	14 3 52,8	8,874	360
37924	Sagittarius....	9	45 2,48	+3,674	116 44 16,0	8,875	175
37925	Cygnus	•	45 3,78	2,033	49 9 27,6	8,877	12
37926	Cygnus	8	45 4,11	2,033	49 9 22,7	8,878	295
37927	Vulpecula	7	45 6,78	2,443	62 24 40,4	8,881	23
37928	Vulpecula	7½	45 7,18	2,443	62 24 43,1	8,882	239
37929	Cygnus	8	45 12,79	2,271	56 19 20,4	8,888	297
37930	Cygnus	8	45 13,43	2,271	56 19 24,1	8,890	19
37931	Cygnus	9	45 18,22	1,649	40 8 56,6	8,896	359
37932	Aquila	9	45 19,50	3,068	89 55 39,7	8,898	97
37933	Cygnus	8	45 19,64	1,681	40 48 21,4	8,898	359
37934	Cygnus	6½	45 21,02	1,790	43 7 43,6	8,900	240
37935	Draco.....	4	45 21,25	0,249	23 1 8,0	8,900	362
37936	Draco.....	8	45 24,87	+0,213	22 45 36,8	8,904	362
37937	Draco.....	8½	45 28,40	-1,764	13 55 21,3	8,909	360
37938	Aquila ....β	•	45 29,16	+2,945	84 4 50,6	8,910	92
37939	Aquila ....β	3	45 29,30	2,945	84 4 50,5	8,910	105
37940	Aquila ....β	3	45 29,34	2,945	84 4 52,8	8,910	105
37941	Aquila ....β	3	45 29,38	2,945	84 4 49,3	8,910	91
37942	Aquila ....β	•	45 29,39	2,945	84 4 45,6	8,910	102
37943	Aquila ....β	3	45 29,79	2,945	84 4 54,3	8,910	98
37944	Aquila ....β	3	45 29,86	2,945	84 4 53,5	8,911	188
37945	Vulpecula	6	45 35,20	2,483	63 55 12,1	8,919	28
37946	Vulpecula	6½	45 35,24	2,483	63 55 5,3	8,919	25
37947	Cygnus	7½	45 35,67	2,123	51 41 16,8	8,919	14
37948	Cygnus ....d	5½	45 35,86	1,509	37 30 53,4	8,919	300
37949	Vulpecula	8	45 37,26	2,584	67 55 23,2	8,921	298
37950	Vulpecula	8	45 37,41	2,584	67 55 26,9	8,921	569
37951	Sagitta	8	45 43,20	2,707	73 10 6,6	8,930	176
37952	Cygnus	8	45 44,62	2,279	56 33 48,6	8,932	297
37953	Cygnus	•	45 44,95	2,279	56 33 48,1	8,932	19
37954	Cygnus	7½	45 46,18	2,129	51 50 19,9	8,933	14
37955	Aquila	8½	45 52,07	2,761	75 32 35,6	8,939	103
37956	Cygnus	7½	45 56,17	2,126	51 45 31,7	8,945	14
37957	Cygnus	6	45 56,89	1,808	43 28 52,7	8,946	240
37958	Cygnus	8	45 59,42	2,210	54 18 55,8	8,950	16
37959	Sagittarius....	9	46 0,65	3,480	108 54 23,9	8,952	171
37960	Vulpecula	5	19 46 2,10	+2,542	66 11 44,3	-8,954	28

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37961	Draco.....	9	19 46 2,30	-3,516	10 17 59.7	-8,954	365
37962	Cygnus	•	46 3,03	+2,045	49 25 59.3	8,954	12
37963	Aquila	9	46 4,19	3,024	87 47 58.8	8,956	94
37964	Cygnus	9	46 5,50	1,636	39 51 25.7	8,958	359
37965	Vulpecula	7½	46 5,85	2,588	68 5 14.1	8,958	569
37966	Vulpecula	7½	46 6,52	2,588	68 5 9.4	8,960	298
37967	Aquila	7½	46 10,73	2,907	82 15 56.9	8,964	89
37968	Cygnus	4½	46 12,76	1,768	42 34 38.4	8,968	386
37969	Sagittarius....	9	46 13,52	3,412	105 58 33.4	8,968	177
37970	Cygnus	4½	46 13,63	1,768	42 34 44.2	8,968	387
37971	Cygnus	4½	46 14,01	1,768	42 34 41.0	8,968	387
37972	Cygnus	7	46 14,43	2,261	55 55 49.6	8,970	297
37973	Aquila	8½	46 14,92	3,143	93 31 0.7	8,971	109
37974	Cygnus	7	46 14,94	2,261	55 55 50.2	8,971	19
37975	Cygnus	8	46 16,30	1,935	46 31 2.6	8,973	11
37976	Cygnus	9	46 18,07	1,644	39 59 36.7	8,974	359
37977	Aquila	7	46 22,00	2,865	80 18 41.2	8,978	87
37978	Cygnus	9	46 22,27	1,944	46 44 0.8	8,980	11
37979	Sagittarius....	8	46 23,46	3,737	119 10 35.4	8,980	175
37980	Sagittarius....	8½	46 24,47	3,598	113 51 13.2	8,982	178
37981	Vulpecula	7½	46 25,10	2,528	65 37 43.5	8,982	28
37982	Vulpecula	8½	46 25,31	2,465	63 11 12.3	8,984	23
37983	Aquila	8	46 26,06	3,236	97 55 36.6	8,985	101
37984	Cygnus	7½	46 29,95	2,286	56 44 11.9	8,988	19
37985	Cygnus	7	46 31,48	2,286	56 44 8.4	8,992	297
37986	Aquila	8½	46 33,04	3,070	90 1 55.4	8,993	97
37987	Vulpecula	8	46 35,18	2,499	64 27 39.3	8,997	25
37988	Sagittarius....	6	46 35,60	3,413	106 0 36.5	8,997	177
37989	Vulpecula	8½	46 36,38	2,587	68 0 27.0	8,998	569
37990	Aquila	8	46 36,39	3,292	100 33 35.9	8,998	114
37991	Draco.....	9	46 36,60	0,284	23 13 7.2	8,998	362
37992	Vulpecula	8½	46 36,84	2,587	68 0 59.2	8,999	298
37993	Aquila	•	46 36,86	3,292	100 33 32.8	8,999	111
37994	Aquila	6	46 42,11	3,221	97 12 39.7	9,005	99
37995	Aquila	9	46 42,61	3,179	95 12 23.5	9,005	113
37996	Aquila	8½	46 43,19	3,189	95 41 26.4	9,007	109
37997	Cygnus	8	46 43,95	1,761	42 24 32.5	9,007	386
37998	Sagittarius... A	5	46 44,74	3,671	116 43 18.7	9,009	174
37999	Sagittarius... A	5	46 45,28	3,671	116 43 25.4	9,009	175
38000	Aquila Ø	6	19 46 45,59	+2,840	79 5 46.7	-9,010	105

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38001	Aquila φ	4½	19 46 45.77	+2,840	79 5 50.3	-9,010	105
38002	Sagittarius	8½	46 46.41	3,742	119 22 46.0	9,012	175
38003	Sagitta	8	46 46.59	3,647	70 30 5.8	9,012	93
38004	Aquila	9	46 46.68	3,021	87 39 24.0	9,012	94
38005	Sagitta	7½	46 47.68	2,760	75 28 18.1	9,014	103
38006	Cygnus	8	46 47.76	2,305	57 23 5.4	9,014	21
38007	Sagittarius	9	46 47.83	3,674	116 49 5.5	9,014	175
38008	Sagitta	8	46 48.77	2,696	72 37 57.8	9,015	81
38009	Cygnus	7	46 50.57	2,037	49 9 29.7	9,016	237
38010	Cygnus	7½	46 50.64	2,037	49 9 27.2	9,017	295
38011	Cygnus	7	46 50.81	2,037	49 9 29.6	9,018	12
38012	Cygnus	8½	46 50.85	1,569	38 30 58.2	9,018	300
38013	Aquila	9	46 52.68	3,122	92 30 56.1	9,020	98
38014	Aquila	8½	46 52.75	3,275	99 44 36.8	9,020	111
38015	Cygnus	8	46 55.73	1,554	38 13 54.9	9,024	300
38016	Sagitta	6	46 56.07	2,725	73 53 4.0	9,024	176
38017	Aquila	6½	46 58.93	3,073	90 10 14.6	9,028	97
38018	Aquila	8	47 0.70	3,271	99 34 52.1	9,030	111
38019	Sagitta	8	47 2.58	2,692	72 26 7.3	9,033	81
38020	Cygnus	8	47 2.79	2,042	49 17 11.6	9,033	12
38021	Cygnus	8	47 3.01	2,042	49 17 16.7	9,033	237
38022	Sagittarius	9	47 3.07	3,598	113 51 49.2	9,033	178
38023	Cygnus	8	47 3.11	2,042	49 17 12.3	9,033	295
38024	Cygnus	5½	47 4.79	1,776	42 42 19.6	9,035	386
38025	Cygnus	5½	47 5.72	1,776	42 42 25.8	9,036	387
38026	Aquila	8½	47 5.82	2,987	86 2 54.0	9,036	92
38027	Cygnus	5½	47 6.08	1,776	42 42 25.5	9,036	387
38028	Aquila	9	47 7.70	3,271	99 35 56.2	9,038	111
38029	Cygnus	7	47 7.91	2,389	60 19 26.3	9,038	22
38030	Cygnus	7	47 8.86	2,376	59 49 56.8	9,040	22
38031	Cygnus	8½	47 9.83	1,928	46 16 19.8	9,042	11
38032	Aquila	7½	47 14.19	2,903	82 4 32.0	9,046	89
38033	Cygnus	8	47 15.29	2,138	52 2 8.2	9,048	14
38034	Aquila	7½	47 15.48	3,216	96 58 6.7	9,048	99
38035	Vulpecula	8½	47 24.44	2,599	68 27 36.6	9,060	298
38036	Aquila . . . . .	.	47 28.50	2,864	80 14 6.4	9,065	87
38037	Cygnus	7½	47 28.82	2,253	55 37 11.9	9,065	297
38038	Cygnus	7	47 29.44	2,254	55 37 6.1	9,065	19
38039	Cygnus	6	47 29.99	2,188	53 31 23.0	9,067	16
38040	Cygnus	8½	19 47 30.30	+1,879	45 2 44.8	-9,067	240

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38041	Cygnus	9	19 47 30.66	+2,032	48° 59' 16.2	-9.067	237
38042	Aquila	9½	47 32.95	3,213	96 52 34.3	9,071	99
38043	Aquila	8½	47 35.08	3,250	98 37 15.3	9,075	101
38044	Cygnus	8	47 36.75	2,318	57 46 56.3	9,076	21
38045	Aquila	9	47 37.01	3,172	94 52 54.6	9,077	182
38046	Aquila	8½	47 37.15	2,989	86 6 32.9	9,078	92
38047	Aquila	7	47 37.31	3,046	88 51 34.5	9,078	94
38048	Sagittarius....	7	47 41.67	3,569	112 44 23.2	9,082	174
38049	Sagitta	9	47 41.69	2,730	74 6 56.0	9,082	176
38050	Sagitta	8	47 43.59	2,644	70 20 13.0	9,086	93
38051	Aquila	8	47 44.52	2,868	80 23 16.6	9,086	87
38052	Cygnus	8	47 47.64	2,035	49 3 14.3	9,090	237
38053	Cygnus	8	47 47.88	2,035	49 3 5.8	9,090	295
38054	Aquila	9	47 48.52	3,070	90 1 9.9	9,092	97
38055	Sagittarius....	8½	47 54.40	3,323	102 5 13.2	9,099	114
38056	Aquila	8½	47 55.13	3,155	94 4 57.0	9,101	113
38057	Aquila	8½	47 56.14	3,171	94 53 2.4	9,101	182
38058	Cygnus	9	47 57.22	1,757	42 13 43.4	9,103	386
38059	Aquila	7½	47 58.24	3,127	92 45 40.2	9,105	98
38060	Aquila	7	48 2.65	3,171	94 53 3.0	9,109	113
38061	Sagittarius....	9½	48 4.12	3,328	102 15 26.2	9,111	114
38062	Cygnus	8½	48 5.17	1,858	44 30 43.0	9,113	240
38063	Vulpecula	6½	48 6.12	2,555	66 38 6.7	9,116	28
38064	Sagittarius....	7	48 11.98	3,733	119 7 2.9	9,122	175
38065	Aquila	6½	48 12.16	3,052	89 9 26.8	9,122	95
38066	Cygnus	8	48 14.12	2,022	48 40 2.6	9,124	237
38067	Cygnus	8	48 14.33	2,022	48 39 55.3	9,125	295
38068	Vulpecula	6½	48 17.12	+2,558	66 44 59.8	9,129	28
38069	Draco.....	9½	48 18.24	-2,900	11 16 48.9	9,131	361
38070	Cygnus	9	48 19.43	+1,859	44 31 0.0	9,133	240
38071	Draco.....	9	48 20.76	-1,322	15 10 9.4	9,135	360
38072	Cygnus	7½	48 25.26	+2,310	57 27 5.4	9,139	21
38073	Cygnus	9	48 26.90	2,434	61 53 53.5	9,141	239
38074	Aquila	7½	48 27.52	2,841	79 7 15.9	9,143	106
38075	Aquila	7	48 27.80	2,841	79 6 39.5	9,143	105
38076	Aquila	7½	48 28.23	2,837	78 56 12.3	9,143	105
38077	Aquila	7½	48 28.40	2,837	78 56 11.7	9,144	106
38078	Sagittarius....	8	48 30.11	3,328	102 14 42.9	9,145	114
38079	Sagitta	8	48 30.12	2,653	70 43 40.2	9,145	93
38080	Aquila	9	19 48 35.53	+3,070	89 59 50.5	-9,154	97

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38081	Sagittarius....	9	19 48 37.57	+3,536	111 23 16.5	-9,156	174
38082	Sagitta	6	48 40.40	2,723	73 44 18.1	9,159	176
38083	Cygnus	5	48 42.51	2,141	52 2 13.4	9,162	14
38084	Aquila	7½	48 42.97	2,856	79 47 56.0	9,162	87
38085	Cygnus	6	48 43.16	2,084	50 21 1.7	9,162	12
38086	Sagittarius....	9	48 43.27	3,669	116 45 29.2	9,162	175
38087	Sagitta	8	48 43.59	2,642	70 13 52.4	9,164	93
38088	Cygnus	6½	48 47.30	2,371	59 34 50.6	9,168	22
38089	Vulpecula	8	48 47.38	2,608	68 46 12.6	9,168	298
38090	Vulpecula	8	48 47.76	2,456	62 42 38.6	9,168	23
38091	Vulpecula	8	48 48.27	2,516	65 2 15.7	9,170	25
38092	Cygnus 7	5	48 48.29	2,251	55 26 24.3	9,170	19
38093	Cygnus 7	4	48 48.47	2,250	55 26 24.4	9,170	297
38094	Cygnus	7	48 48.69	2,076	50 7 48.5	9,171	12
38095	Aquila	7	48 49.81	2,915	82 36 37.3	9,171	89
38096	Sagittarius....	8½	48 50.47	3,512	110 23 25.9	9,173	173
38097	Vulpecula	6½	48 51.14	2,551	66 25 55.1	9,173	28
38098	Cygnus	8	48 52.26	2,318	57 41 52.5	9,175	21
38099	Sagittarius....	8½	48 54.40	3,579	113 10 14.7	9,177	178
38100	Aquila	6½	48 54.91	3,289	100 28 3.5	9,179	111
38101	Cygnus	7	49 4.78	1,794	42 58 57.5	9,192	386
38102	Aquila	8	49 5.50	2,943	83 56 26.4	9,192	91
38103	Draco.....	9	49 7.48	0,299	23 13 13.2	9,194	362
38104	Sagittarius....	8	49 8.04	3,420	106 25 12.9	9,195	177
38105	Sagitta	7½	49 8.06	2,730	74 2 8.3	9,195	176
38106	Cygnus	6½	49 12.28	2,377	57 45 0.5	9,200	22
38107	Cygnus	8	49 12.46	2,213	54 12 18.9	9,200	16
38108	Cygnus	7½	49 14.29	2,374	59 40 17.5	9,202	22
38109	Aquila	7½	49 14.94	2,856	79 49 9.8	9,204	87
38110	Cygnus	7	49 16.42	2,433	61 50 0.0	9,206	239
38111	Sagitta	8	49 17.00	2,657	70 51 30.0	9,206	93
38112	Aquila	7	49 17.85	3,122	92 30 5.0	9,208	99
38113	Sagittarius....	8½	49 20.34	3,550	111 59 56.9	9,210	174
38114	Cygnus	6	49 20.51	2,215	54 16 33.9	9,210	16
38115	Aquila	7½	49 23.61	2,838	78 58 0.3	9,215	106
38116	Aquila	7	49 24.17	2,838	78 57 59.0	9,217	105
38117	Vulpecula	7	49 27.72	2,496	64 14 8.6	9,221	25
38118	Vulpecula	7	49 27.95	2,494	64 9 21.5	9,221	25
38119	Vulpecula	8½	49 28.14	2,495	64 9 23.3	9,221	28
38120	Cygnus	9	19 49 28.16	+1,639	39 42 12.9	-9,221	359

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38121	Vulpecula	8	19 49 28,62	+2,581	66° 37' 28,9	-9,221	28
38122	Vulpecula	8	49 29,14	2,496	64 14 4,4	9,223	28
38123	Sagittarius....	6½	49 29,85	3,580	113 16 23,6	9,223	178
38124	Sagittarius....	6	49 30,64	3,580	113 16 27,2	9,224	174
38125	Draco.....	9	49 34,56	+0,520	24 58 3,6	9,230	362
38126	Draco.....	9	49 41,37	-3,347	10 28 51,1	9,239	365
38127	Cygnus	8	49 41,58	+2,254	55 29 48,2	9,239	297
38128	Cygnus	8½	49 42,45	2,254	55 29 49,8	9,241	19
38129	Aquila	7	49 43,13	2,844	79 13 37,5	9,241	106
38130	Aquila	6½	49 43,31	2,844	79 13 39,3	9,241	105
38131	Aquila	9	49 44,50	3,067	89 53 9,7	9,243	97
38132	Sagittarius....	8½	49 45,95	3,715	118 32 7,6	9,245	175
38133	Cygnus	7½	49 50,32	1,816	43 26 8,3	9,250	240
38134	Cygnus	7½	49 50,49	2,430	61 39 19,6	9,250	239
38135	Sagitta γ	4	49 51,37	2,662	71 2 28,8	9,251	81
38136	Sagitta γ	4	49 51,54	2,662	71 2 26,3	9,251	298
38137	Sagitta γ	4½	49 51,59	2,662	71 2 26,0	9,251	93
38138	Sagittarius....	7½	49 52,89	3,376	104 28 38,2	9,253	115
38139	Sagittarius....	8	49 58,27	3,339	102 46 17,6	9,260	114
38140	Sagittarius....	8½	50 4,14	3,441	107 24 14,9	9,268	177
38141	Sagittarius....	8	50 4,27	3,441	107 24 8,6	9,268	171
38142	Sagittarius....	9	50 6,16	3,330	102 23 20,9	9,271	114
38143	Vulpecula	8	50 7,71	2,501	64 22 15,3	9,272	25
38144	Aquila	8	50 8,17	2,937	83 35 36,2	9,272	91
38145	Cygnus	8½	50 8,77	2,020	48 29 5,5	9,274	295
38146	Cygnus	8	50 8,85	2,020	48 29 17,5	9,274	237
38147	Cygnus	8	50 11,90	2,437	61 55 16,8	9,278	239
38148	Aquila	8	50 12,13	2,931	83 18 58,6	9,279	91
38149	Cygnus	8	50 12,88	2,278	56 17 3,2	9,279	19
38150	Aquila	8½	50 13,58	3,046	88 50 14,1	9,281	95
38151	Aquila	7½	50 15,07	3,170	94 50 45,5	9,281	109
38152	Aquila .....	.	50 15,28	3,170	94 50 50,9	9,281	113
38153	Aquila	8	50 15,32	3,170	94 50 46,5	9,280	182
38154	Cygnus	4½	50 16,21	2,081	50 9 42,5	9,283	12
38155	Cygnus	8	50 17,54	2,427	61 32 35,3	9,285	239
38156	Cygnus .....	.	50 18,99	2,146	52 4 19,4	9,287	14
38157	Vulpecula	8	50 19,23	2,466	63 1 23,0	9,287	23
38158	Aquila	7½	50 19,73	3,012	87 12 14,9	9,287	92
38159	Sagittarius.. c	6	50 20,10	3,707	118 14 58,7	9,288	174
38160	Sagittarius.. c	5	19 50 20,70	+3,707	118 15 6,0	-9,290	175

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38161	Sagittarius....	8½	19 50 22,02	+3,457	108 5 14,9	-9,291	171
38162	Cygnus	8½	50 22,37	1,935	46 15 32,9	9,292	11
38163	Aquila	7½	50 23,66	2,923	82 56 31,1	9,294	89
38164	Sagittarius....	8	50 23,96	3,493	109 38 14,7	9,294	173
38165	Cygnus ψ	5	50 26,70	1,558	38 5 12,7	9,297	300
38166	Cygnus ψ	.	50 27,01	1,558	38 5 10,3	9,298	301
38167	Aquila	7	50 27,12	2,929	83 14 45,4	9,299	91
38168	Aquila	8	50 28,77	3,279	100 1 29,2	9,301	111
38169	Aquila	8	50 29,12	2,929	83 14 45,4	9,301	91
38170	Vulpecula	7	50 35,31	2,577	67 26 4,3	9,308	298
38171	Cygnus	8	50 36,55	2,215	54 12 16,0	9,309	16
38172	Cygnus .....	.	50 38,23	2,148	52 7 29,3	9,311	14
38173	Cygnus	8	50 38,24	2,274	56 6 36,7	9,312	297
38174	Cygnus	8	50 38,47	2,274	56 6 32,8	9,313	19
38175	Cygnus	7½	50 38,74	2,158	52 24 36,6	9,313	14
38176	Vulpecula	8½	50 39,30	2,580	67 32 23,4	9,313	298
38177	Cygnus	5½	50 41,83	2,373	59 32 59,5	9,317	22
38178	Aquila	6	50 46,10	3,369	104 10 41,4	9,322	115
38179	Cygnus	7½	50 49,74	2,308	57 15 33,9	9,326	21
38180	Cygnus	8½	50 51,23	2,272	56 1 16,5	9,328	297
38181	Sagittarius....	9	50 51,62	3,662	116 35 1,9	9,330	175
38182	Vulpecula	7	50 54,54	2,467	63 1 21,9	9,333	239
38183	Vulpecula	7	50 55,28	2,467	63 1 25,7	9,335	23
38184	Aquila	8	50 58,41	2,806	77 26 14,2	9,338	106
38185	Aquila	8½	50 59,48	2,766	75 37 55,4	9,340	103
38186	Sagitta	6½	51 1,47	2,708	73 1 13,3	9,342	177
38187	Vulpecula ....	.	51 4,20	2,538	65 48 39,2	9,346	28
38188	Aquila	8½	51 5,46	3,051	89 5 46,4	9,348	95
38189	Aquila	7½	51 7,64	2,884	81 4 22,3	9,350	87
38190	Aquila	7½	51 8,21	2,915	82 33 24,0	9,350	89
38191	Cygnus	7½	51 8,30	2,062	49 36 24,5	9,353	13
38192	Sagittarius....	9	51 11,39	3,418	106 24 58,2	9,354	177
38193	Cygnus	6½	51 12,79	2,015	48 16 20,2	9,356	237
38194	Cygnus	7	51 13,05	+2,015	48 16 10,9	9,356	295
38195	Draco.....	9	51 15,48	-2,064	12 58 31,4	9,361	360
38196	Cygnus	5½	51 16,38	+1,641	39 37 48,1	9,361	387
38197	Draco.....	9	51 16,77	-3,331	10 28 9,7	9,362	365
38198	Cygnus	8	51 16,98	+1,641	39 37 41,5	9,362	359
38199	Aquila	6	51 18,50	2,903	81 58 50,8	9,365	89
38200	Aquila	8½	19 51 18,97	+2,769	75 43 26,4	-9,365	103

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38201	Draco.....	8½	19 51 21,08	+0,391	23 49 0,1	-9,367	362
38202	Cygnus	6	51 21,25	2,160	52 25 44,2	9,367	14
38203	Cygnus	7	51 21,97	2,243	55 2 16,5	9,369	16
38204	Sagittarius....	8½	51 22,14	3,329	102 22 27,3	9,369	114
38205	Aquila	7½	51 22,86	3,085	90 44 28,0	9,369	97
38206	Cygnus	9	51 24,76	1,934	46 8 57,2	9,371	11
38207	Aquila	8½	51 26,97	2,770	75 46 23,3	9,376	103
38208	Aquila	8	51 27,64	2,883	81 1 29,0	9,376	87
38209	Cygnus	9	51 28,70	2,009	48 5 32,9	9,378	237
38210	Cygnus	8½	51 29,01	2,006	48 0 20,6	9,378	295
38211	Aquila .....	.	51 31,37	2,800	77 9 32,6	9,380	106
38212	Aquila	8	51 32,55	2,800	77 9 35,3	9,383	105
38213	Draco.....	8½	51 33,04	0,346	23 27 10,6	9,383	362
38214	Aquila	6	51 34,37	3,184	95 31 54,4	9,385	99
38215	Aquila	7	51 34,46	3,184	95 31 55,7	9,385	182
38216	Sagittarius....	9	51 34,80	3,584	113 30 6,6	9,385	178
38217	Sagittarius....	8½	51 35,54	3,323	102 6 29,2	9,387	114
38218	Vulpecula	8	51 36,03	2,528	65 21 47,4	9,387	28
38219	Cygnus	8½	51 37,42	2,242	55 0 7,3	9,389	16
38220	Sagittarius....	8	51 37,48	3,454	108 0 29,9	9,389	171
38221	Vulpecula	8	51 41,36	2,595	68 5 55,9	9,393	298
38222	Vulpecula	7	51 44,69	2,508	64 35 12,7	9,397	25
38223	Cygnus	8	51 45,81	2,377	59 37 27,0	9,399	22
38224	Cygnus	7	51 48,24	2,352	58 42 23,0	9,401	21
38225	Sagitta	9	51 50,13	2,742	74 30 40,9	9,405	177
38226	Aquila	8	51 50,85	2,983	85 49 29,2	9,406	92
38227	Sagittarius....	7	51 52,19	3,575	113 8 38,5	9,408	178
38228	Sagittarius....	8	51 52,66	3,575	113 8 40,9	9,408	174
38229	Cygnus	8½	51 52,92	2,274	56 2 41,2	9,408	297
38230	Aquila	7½	51 52,94	2,776	76 ■ 58,5	9,408	103
38231	Cygnus	9	51 53,48	2,012	48 8 49,8	9,408	237
38232	Cygnus	8½	51 53,87	2,012	48 8 45,6	9,409	295
38233	Vulpecula	6	51 54,46	2,503	64 21 4,3	9,410	25
38234	Aquila	8	51 54,47	2,769	75 44 25,1	9,410	103
38235	Sagitta	8	51 57,79	2,755	75 3 38,6	9,414	177
38236	Sagitta	8	51 58,82	2,761	75 19 54,9	9,416	177
38237	Sagitta	7	52 1,13	2,652	70 32 14,1	9,419	93
38238	Aquila	8	52 5,12	3,264	99 21 29,1	9,423	111
38239	Vulpecula	8	52 5,24	2,588	67 48 54,4	9,424	298
38240	Sagittarius....	9	19 52 6,76	+3,668	116 52 17,7	-9,426	175

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38241	Aquila	19 52 8,56	+3,150	93 53 3,0	-9,428	109
38242	Aquila	7½	52 8,68	3,269	99 34 56,9	9,428	111
38243	Sagittarius....	8	52 13,19	3,407	105 57 38,6	9,434	177
38244	Cygnus	8	52 17,13	1,625	39 14 18,4	9,440	300
38245	Cygnus	9½	52 17,25	1,625	39 14 12,2	9,440	359
38246	Vulpecula	8½	52 18,63	2,586	67 41 44,3	9,442	298
38247	Cygnus	8	52 21,58	2,325	57 45 4,5	9,445	21
38248	Aquila	8	52 26,90	3,093	91 9 10,5	9,452	97
38249	Cygnus	9	52 31,89	2,279	56 9 26,3	9,458	297
38250	Sagittarius....	8	52 35,74	3,564	112 44 5,5	9,463	174
38251	Cygnus	8½	52 37,27	2,327	57 48 37,5	9,464	21
38252	Aquila	8½	52 38,97	3,177	95 10 45,2	9,466	109
38253	Aquila	6	52 38,98	2,858	79 48 16,2	9,466	87
38254	Aquila	8	52 46,15	3,013	87 13 39,3	9,477	95
38255	Cygnus	8½	52 48,42	2,250	55 11 0,9	9,479	16
38256	Cygnus	8	52 49,42	2,277	56 4 44,1	9,480	297
38257	Aquila	9	52 50,45	3,171	94 55 1,9	9,482	113
38258	Aquila	9	52 50,49	3,171	94 54 57,4	9,482	109
38259	Cygnus	8	52 50,62	2,116	51 0 32,9	9,482	13
38260	Vulpecula	4	52 51,64	2,464	62 47 21,9	9,484	239
38261	Vulpecula	5	52 52,11	2,464	62 47 27,5	9,484	23
38262	Sagittarius....	7½	52 58,64	3,679	117 21 52,0	9,493	180
38263	Vulpecula	7	52 58,84	2,478	63 21 17,6	9,493	25
38264	Sagittarius....	8	52 59,17	3,679	117 21 54,3	9,493	175
38265	Aquila	8½	53 0,48	3,066	89 50 47,1	9,495	97
38266	Cygnus	6	53 3,32	1,882	44 46 2,5	9,499	240
38267	Cygnus	6	53 4,05	2,371	59 18 48,0	9,499	22
38268	Aquila	7½	53 6,81	3,270	99 40 28,8	9,504	111
38269	Aquila	9	53 8,13	3,272	99 44 42,1	9,506	111
38270	Vulpecula	8½	53 9,75	2,529	65 19 25,5	9,507	28
38271	Vulpecula	8	53 9,80	2,600	68 16 0,8	9,507	298
38272	Aquila	9	53 10,49	3,171	94 54 57,2	9,508	109
38273	Aquila	9	53 10,95	3,171	94 55 1,8	9,509	113
38274	Aquila	9	53 11,02	3,171	94 54 57,7	9,509	182
38275	Aquila	7	53 11,19	3,079	90 27 26,5	9,509	97
38276	Sagittarius....	8	53 11,63	3,542	111 52 1,8	9,509	178
38277	Sagittarius....	.	53 11,81	3,542	111 51 49,2	9,510	174
38278	Draco.....	9	53 11,96	0,411	23 53 2,7	9,510	362
38279	Aquila	7½	53 12,24	2,907	82 9 10,3	9,510	89
38280	Aquila	6½	19 53 14,65	+3,236	98 1 4,7	-9,513	101

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38281	Aquila	7	19 53 16,06	+2,984	85 49 10,6	-9,515	92
38282	Aquila	7	53 16,46	2,823	78 11 18,3	9,516	106
38283	Cygnus	7	53 20,48	2,213	53 57 14,2	9,521	16
38284	Aquila	6	53 20,58	2,854	79 38 4,5	9,521	87
38285	Vulpecula ....	.	53 23,75	2,528	65 18 38,3	9,526	28
38286	Sagitta	9	53 25,59	2,636	69 45 6,4	9,528	93
38287	Sagitta	8	53 25,82	2,753	74 55 20,9	9,528	177
38288	Cygnus .....	.	53 26,73	2,106	51 20 11,9	9,528	14
38289	Sagitta	8½	53 26,81	2,758	75 11 17,2	9,529	177
38290	Sagittarius....	8½	53 27,61	3,482	109 19 26,3	9,530	173
38291	Cygnus	7½	53 30,52	2,022	48 19 34,4	9,535	237
38292	Aquila	7½	53 30,67	2,775	75 57 50,7	9,535	103
38293	Cygnus	7½	53 30,80	2,022	48 19 25,4	9,535	295
38294	Sagitta	8	53 31,09	2,633	69 37 12,1	9,535	93
38295	Aquila	9	53 31,30	2,823	78 9 24,2	9,535	106
38296	Vulpecula	5½	53 32,85	2,536	65 36 45,6	9,537	28
38297	Vulpecula	8	53 33,02	2,536	65 36 44,6	9,537	28
38298	Sagitta	8	53 33,61	2,687	71 59 16,5	9,537	81
38299	Aquila	8	53 34,77	3,288	100 29 26,8	9,539	111
38300	Cygnus	9	53 35,27	1,658	39 47 45,7	9,540	359
38301	Vulpecula	7	53 40,97	2,604	68 23 44,8	9,548	298
38302	Vulpecula	8	53 41,74	2,531	65 23 31,2	9,548	28
38303	Cygnus	7½	53 42,79	2,178	52 50 48,3	9,550	14
38304	Aquila	8	53 44,48	2,909	82 13 12,2	9,552	89
38305	Vulpecula	9	53 45,89	2,444	62 0 10,7	9,553	239
38306	Draco.....	8	53 46,80	0,402	23 47 1,2	9,554	362
38307	Sagitta	9	53 51,29	2,757	75 5 13,9	9,561	177
38308	Aquila	8	53 53,33	2,828	78 23 14,3	9,563	106
38309	Cygnus	6½	53 56,24	1,591	38 29 8,1	9,568	300
38310	Cygnus	5	53 56,34	1,591	38 29 18,7	9,568	387
38311	Cygnus	5	53 57,11	1,591	38 29 14,0	9,568	387
38312	Sagittarius....	8	53 57,67	3,331	102 30 52,7	9,569	114
38313	Cygnus	8½	53 57,96	2,276	55 57 50,7	9,569	297
38314	Sagittarius....	8	53 58,14	3,427	106 55 35,0	9,569	171
38315	Aquila	8½	53 58,56	2,996	86 25 58,6	9,570	92
38316	Cygnus	8½	53 58,80	2,320	57 28 51,6	9,570	21
38317	Cygnus	6	53 59,84	2,375	59 25 51,5	9,572	22
38318	Sagittarius....	6½	54 1,97	3,323	102 9 13,3	9,574	114
38319	Sagitta	7	54 2,63	2,694	72 15 8,6	9,574	81
38320	Cygnus	7	19 54 4,59	+2,170	52 33 42,8	-9,579	14

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38321	Aquila	5½	19 54 4.77	+3.095	91 15 24.5	-9.579	99
38322	Sagittarius....	9	54 9.85	3.350	103 24 51.4	9.585	115
38323	Cygnus	7½	54 12.38	2.032	48 32 13.4	9.588	237
38324	Cygnus	8	54 12.88	2.032	48 32 9.4	9.588	295
38325	Draco.....	8	54 13.80	2.989	10 58 17.7	9.590	361
38326	Aquila	7½	54 15.57	2.864	80 5 25.8	9.592	87
38327	Vulpecula	5	54 16.21	2.541	65 44 43.3	9.592	28
38328	Sagitta	6	54 17.12	2.689	72 2 55.1	9.594	81
38329	Sagittarius....	8½	54 17.59	3.719	118 55 44.4	9.594	180
38330	Sagittarius....	7	54 18.39	3.345	103 13 6.5	9.596	114
38331	Sagittarius....	7	54 18.85	3.345	103 13 5.5	9.596	115
38332	Aquila τ	5½	54 22.42	2.931	83 16 33.6	9.601	91
38333	Aquila	8½	54 22.46	2.990	86 8 22.7	9.601	92
38334	Sagittarius....	9	54 24.82	3.413	106 18 27.4	9.603	177
38335	Aquila	8	54 25.08	3.248	98 39 33.4	9.603	101
38336	Cygnus	8½	54 27.43	2.280	56 4 35.7	9.607	297
38337	Cygnus	8	54 27.75	2.127	50 14 51.2	9.607	13
38338	Aquila	7½	54 28.47	2.860	79 52 8.4	9.607	87
38339	Sagittarius....	8½	54 28.55	3.480	109 15 40.3	9.608	173
38340	Cygnus	8	54 30.42	2.254	55 13 1.8	9.612	19
38341	Cygnus	9	54 31.51	1.581	38 15 49.8	9.612	300
38342	Aquila	8	54 33.43	3.170	94 52 1.1	9.614	113
38343	Aquila	7½	54 33.46	3.170	94 51 53.6	9.614	109
38344	Aquila	8	54 33.55	3.170	94 51 57.0	9.614	182
38345	Cygnus	6	54 35.34	1.589	38 23 46.1	9.616	387
38346	Cygnus	8	54 35.82	1.589	38 23 45.8	9.618	300
38347	Aquila	7½	54 36.00	2.768	75 34 9.5	9.618	103
38348	Aquila	7½	54 36.03	3.057	89 23 49.7	9.618	97
38349	Vulpecula	7½	54 37.17	2.447	62 2 4.4	9.619	239
38350	Vulpecula	7	54 37.37	2.447	62 2 4.8	9.620	23
38351	Aquila	9	54 38.56	3.217	97 8 22.0	9.620	99
38352	Cygnus	8½	54 41.20	2.273	55 50 35.3	9.625	297
38353	Aquila	8	54 41.57	2.836	78 45 32.6	9.625	106
38354	Cygnus	8	54 44.94	1.948	46 17 2.4	9.629	11
38355	Vulpecula	8	54 47.79	2.452	62 14 24.7	9.633	239
38356	Vulpecula	8	54 47.81	2.489	63 39 36.0	9.634	25
38357	Sagittarius....	8	54 48.08	3.549	112 13 42.3	9.634	174
38358	Vulpecula	8	54 48.34	2.452	62 14 30.8	9.634	23
38359	Aquila	9	54 48.52	2.765	75 26 54.3	9.634	103
38360	Aquila	8½	19 54 49.32	+3.031	88 7 11.5	-9.634	95

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38361	Aquila	8	19 54 54.10	+2,894	81 28 21.2	-9,640	89
38362	Cygnus	7	54 54.81	2,078	49 46 26.5	9,642	13
38363	Cygnus	7½	54 55.10	2,041	48 43 47.4	9,642	295
38364	Cygnus	7½	54 55.31	2,041	48 43 57.4	9,642	237
38365	Aquila	8	54 55.48	2,857	79 44 21.0	9,642	87
38366	Aquila	7½	54 56.15	2,891	81 18 55.9	9,642	89
38367	Sagittarius....	9	54 57.20	3,470	108 51 59.5	9,645	171
38368	Cygnus	7	54 57.89	2,354	58 35 35.1	9,645	21
38369	Cygnus	8	54 58.09	2,266	55 33 57.9	9,646	297
38370	Vulpecula	7	55 1.66	2,587	67 36 40.6	9,650	298
38371	Aquila	7	55 3.20	3,038	88 25 49.0	9,651	95
38372	Vulpecula	8	55 3.73	2,538	65 37 15.8	9,654	28
38373	Sagitta	7½	55 4.81	2,632	69 30 18.3	9,654	93
38374	Aquila	7	55 6.18	3,072	90 6 7.7	9,656	97
38375	Aquila	8	55 8.58	2,840	78 55 26.5	9,659	106
38376	Sagitta	7	55 12.37	2,707	72 49 11.9	9,665	81
38377	Cygnus	6½	55 13.42	+1,955	46 25 50.3	9,665	11
38378	Draco.....	9	55 15.09	-3,558	10 1 32.0	9,668	365
38379	Draco.....	9	55 16.54	-1,477	14 27 6.0	9,670	361
38380	Cygnus	5½	55 23.73	+2,410	60 37 35.1	9,679	22
38381	Cygnus	8	55 25.65	1,901	45 4 23.0	9,681	240
38382	Cygnus	6½	55 29.82	2,179	52 44 20.1	9,687	14
38383	Vulpecula	8	55 31.26	2,576	67 9 47.7	9,689	298
38384	Sagittarius....	8	55 36.81	3,350	103 29 14.2	9,696	115
38385	Sagittarius....	8	55 36.93	3,350	103 29 15.6	9,696	175
38386	Vulpecula	8½	55 37.89	2,595	67 57 28.7	9,696	298
38387	Sagitta	8½	55 38.11	2,631	69 28 32.9	9,696	93
38388	Aquila	7	55 38.79	3,165	94 38 0.1	9,699	113
38389	Aquila	6½	55 39.23	3,165	94 38 5.5	9,699	109
38390	Aquila	6½	55 39.85	3,165	94 38 8.7	9,699	182
38391	Sagittarius....	8	55 41.17	3,602	114 26 40.5	9,701	178
38392	Cygnus	7	55 41.24	2,409	60 33 54.9	9,701	22
38393	Cygnus e	6	55 41.34	1,697	40 26 45.0	9,701	387
38394	Cygnus e	6½	55 41.99	1,697	40 26 46.8	9,702	359
38395	Vulpecula	9	55 42.19	2,474	63 2 49.3	9,703	239
38396	Sagittarius....	8½	55 42.55	+3,602	114 26 39.2	9,703	174
38397	Draco.....	9½	55 43.06	-1,893	13 16 18.2	9,703	361
38398	Sagittarius....	9	55 43.26	+3,499	110 8 1.6	9,704	173
38399	Sagitta	7½	55 43.33	2,703	72 37 28.5	9,704	81
38400	Sagittarius....	8	19 55 43.81	+3,340	103 0 0.9	-9,705	114

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38401	Vulpecula	8	19 55 47.71	+2,518	64 45 47.5	-9.709	25
38402	Aquila	7½	55 59.35	2,983	85 47 1.3	9.725	92
38403	Cygnus	•	56 0.75	2,101	50 22 44.4	9.725	13
38404	Cygnus	7½	56 1.71	2,236	54 31 49.2	9.727	16
38405	Aquila	7	56 2.00	3,172	94 58 37.2	9.727	109
38406	Aquila	8	56 2.47	3,172	94 58 42.8	9.727	113
38407	Aquila	6	56 2.59	3,172	94 58 43.7	9.727	99
38408	Vulpecula	8	56 2.73	2,540	65 37 26.2	9.728	28
38409	Aquila	7½	56 3.13	3,172	94 58 41.7	9.729	182
38410	Aquila	8	56 4.33	3,265	99 28 24.8	9.729	111
38411	Sagitta	7½	56 4.67	2,705	72 40 50.4	9.731	81
38412	Vulpecula	8	56 10.05	2,600	68 6 11.8	9.737	298
38413	Sagittarius	7½	56 10.28	3,481	109 22 10.6	9.738	173
38414	Cygnus	•	56 11.06	2,272	55 41 4.7	9.738	297
38415	Sagitta	7	56 14.43	2,758	75 3 34.1	9.743	103
38416	Aquila	8	56 14.68	3,249	98 44 37.9	9.743	101
38417	Cygnus	7	56 16.50	2,057	49 4 57.3	9.745	237
38418	Cygnus	7	56 16.87	2,376	59 18 57.2	9.747	22
38419	Cygnus	6½	56 16.99	2,057	49 4 53.5	9.747	295
38420	Aquila	9	56 18.61	2,842	78 57 7.1	9.749	106
38421	Cygnus	9	56 18.82	1,546	37 29 38.4	9.749	300
38422	Sagitta	8	56 19.24	2,729	73 45 33.2	9.750	177
38423	Vulpecula	7	56 21.72	2,582	67 21 2.8	9.752	298
38424	Cygnus	•	56 22.76	2,099	50 16 30.1	9.754	13
38425	Aquila	7½	56 22.82	2,894	81 28 6.5	9.754	89
38426	Aquila	8	56 23.20	2,926	83 0 17.4	9.754	89
38427	Cygnus	8½	56 25.27	2,357	58 37 13.3	9.757	21
38428	Cygnus	7	56 25.79	2,164	52 13 46.0	9.759	14
38429	Draco	9	56 29.94	0,306	22 54 56.9	9.763	362
38430	Vulpecula	8	56 31.72	+2,512	64 29 0.9	9.766	25
38431	Draco	8	56 33.51	-2,905	11 3 42.9	9.766	361
38432	Vulpecula	8	56 33.72	+2,571	66 53 32.4	9.768	28
38433	Aquila	8	56 34.76	3,084	90 41 40.5	9.770	97
38434	Sagittarius	8	56 39.66	3,593	114 9 10.1	9.774	178
38435	Cygnus	8	56 40.64	2,312	57 0 25.4	9.777	19
38436	Sagittarius	8	56 40.84	3,592	114 9 5.6	9.777	174
38437	Vulpecula	8	56 44.91	2,633	69 29 34.4	9.781	93
38438	Cygnus	6	56 45.79	2,350	58 20 23.9	9.783	21
38439	Sagittarius	9½	56 46.31	+3,704	118 31 7.2	9.783	180
38440	Draco	8	19 56 46.45	-2,903	11 3 35.1	-9.784	365

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38441	Aquila	8	19 56 48.64	+3,099	91 26 9.8	-9.788	99
38442	Aquila	7½	56 53.20	2,926	82 59 6.2	9.793	89
38443	Vulpecula	8	56 53.84	2,488	63 31 36.7	9.795	25
38444	Cygnus	•	57 0.82	2,087	49 54 3.3	9,802	13
38445	Sagittarius....	9½	57 2.12	3,704	118 31 27.1	9,804	180
38446	Aquila	7½	57 4.52	3,087	90 51 17.7	9,809	97
38447	Vulpecula	7	57 5.64	2,593	67 45 51.1	9,809	298
38448	Cygnus	8	57 5.96	1,843	43 33 21.9	9,809	240
38449	Vulpecula	8	57 8.66	2,479	63 8 14.0	9,813	239
38450	Aquila	7½	57 9.47	2,819	77 52 54.1	9,814	106
38451	Cygnus	6	57 10.80	2,161	52 5 29.4	9,816	14
38452	Sagittarius....	7	57 11.68	3,395	105 35 33.7	9,816	177
38453	Aquila	8	57 14.53	2,829	78 20 4.7	9,820	106
38454	Aquila	7½	57 20.03	2,806	77 14 33.0	9,827	106
38455	Sagittarius....	7	57 21.17	3,378	104 49 21.2	9,828	175
38456	Sagittarius....	8	57 21.54	3,378	104 49 19.6	9,828	115
38457	Aquila	8½	57 23.35	2,864	79 58 30.4	9,831	302
38458	Aquila	7	57 24.65	3,220	97 19 44.7	9,833	101
38459	Aquila	6	57 25.18	3,220	97 19 43.3	9,833	99
38460	Aquila	8	57 30.03	2,942	83 45 21.0	9,840	91
38461	Vulpecula	8½	57 30.19	2,588	67 31 13.7	9,840	298
38462	Capricornus ..	9	57 30.27	3,403	105 58 56.7	9,840	177
38463	Capricornus ..	7	57 31.88	3,294	100 52 54.3	9,842	111
38464	Cygnus	8	57 34.17	1,693	40 15 1.2	9,845	359
38465	Vulpecula	8	57 34.72	2,584	67 23 45.5	9,846	298
38466	Vulpecula	8	57 34.74	2,461	62 25 57.9	9,846	239
38467	Capricornus ..	6	57 35.09	3,288	100 37 47.4	9,847	111
38468	Vulpecula	8	57 35.34	2,461	62 25 56.5	9,847	23
38469	Cygnus	8	57 36.24	1,686	40 5 38.0	9,848	359
38470	Aquila	7	57 37.17	3,032	88 7 31.1	9,849	95
38471	Cygnus	8	57 38.47	2,034	48 21 45.0	9,851	237
38472	Cygnus	8½	57 38.47	2,034	48 21 39.3	9,851	295
38473	Aquila	9	57 38.85	2,864	79 57 33.4	9,851	302
38474	Aquila	8	57 40.81	2,763	77 14 24.6	9,854	103
38475	Aquila	8	57 40.86	2,984	85 47 46.5	9,854	92
38476	Aquila	6	57 41.64	3,095	91 14 29.3	9,854	97
38477	Aquila	6½	57 41.91	3,095	91 14 33.9	9,856	99
38478	Sagitta	8½	57 43.91	2,729	73 41 40.6	9,858	177
38479	Vulpecula	8½	57 44.66	2,529	65 6 21.9	9,858	25
38480	Aquila	7	19 57 47.44	+2,854	79 30 32.3	-9,863	87

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38481	Cygnus	8	19 57 49.20	+2,272	55 34 34.1	-9,864	297
38482	Cygnus	8	57 50.02	2,272	55 34 45.3	9,865	19
38483	Sagittarius....	8	57 50.96	3,520	111 9 32.9	9,868	173
38484	Sagittarius....	8	57 51.18	3,520	111 9 38.3	9,868	174
38485	Aquila	9	57 51.36	2,984	85 48 34.4	9,868	92
38486	Vulpecula	8	57 54.24	2,462	62 26 17.9	9,871	239
38487	Capricornus ..	8½	57 54.48	3,294	100 54 6.2	9,872	111
38488	Vulpecula	8½	57 55.34	2,462	62 26 20.3	9,872	23
38489	Draco.....	8½	57 56.01	0,337	23 4 40.0	9,873	362
38490	Aquila	8½	57 56.39	2,764	75 17 54.6	9,874	103
38491	Cygnus	8	57 56.66	1,579	37 59 1.5	9,874	300
38492	Cygnus	8	57 59.63	1,874	44 13 59.3	9,878	240
38493	Cygnus	8	57 59.95	1,623	38 49 19.3	9,878	300
38494	Vulpecula	8	58 0.12	2,596	67 51 14.0	9,879	298
38495	Cygnus	8	58 1.58	2,274	55 38 58.2	9,880	297
38496	Cygnus	8	58 2.03	2,274	55 39 0.2	9,881	19
38497	Sagittarius....	9	58 2.45	3,631	115 45 54.9	9,881	175
38498	Sagittarius....	8	58 2.78	3,634	115 51 21.3	9,881	175
38499	Cygnus	9	58 4.30	1,997	47 20 42.8	9,884	237
38500	Vulpecula	9	58 5.63	2,469	62 42 53.1	9,886	239
38501	Aquila	7½	58 7.32	3,087	90 52 0.2	9,888	97
38502	Cygnus	8	58 8.48	2,254	54 57 20.9	9,888	16
38503	Capricornus ..	9	58 10.21	3,468	108 55 8.6	9,891	171
38504	Sagitta	8	58 11.27	2,734	73 55 17.6	9,893	177
38505	Cygnus	8	58 11.36	2,085	49 44 47.5	9,893	13
38506	Aquila	6	58 11.70	2,889	81 10 10.1	9,893	87
38507	Aquila	6½	58 11.87	2,889	81 10 17.0	9,893	302
38508	Capricornus ..	8½	58 11.99	3,297	101 4 42.7	9,893	111
38509	Aquila	6½	58 12.00	2,889	81 10 11.4	9,893	109
38510	Aquila	6½	58 12.22	2,889	81 10 18.1	9,893	89
38511	Vulpecula	5	58 17.82	2,575	66 57 10.5	9,900	28
38512	Cygnus	9	58 17.83	2,059	48 59 56.9	9,900	295
38513	Vulpecula	8½	58 20.68	2,524	64 52 56.3	9,904	25
38514	Vulpecula	8	58 21.11	2,472	62 47 14.1	9,905	239
38515	Sagitta .....	.	58 23.85	2,734	73 54 25.5	9,908	177
38516	Cygnus	8	58 24.90	2,252	54 53 35.3	9,910	16
38517	Sagittarius....	9	58 25.33	3,624	115 29 58.2	9,910	175
38518	Sagitta	8	58 26.11	2,634	69 27 55.5	9,910	93
38519	Cygnus	8	58 26.31	1,854	43 43 53.7	9,911	240
38520	Cygnus	8	19 58 26.51	+2,249	54 46 37.2	-9,912	16

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38521	Cygnus	8	19 58 26.67	+1,874	44 12 12.1	-9.912	240
38522	Cygnus	8½	58 27.53	1,937	45 45 4.8	9.913	11
38523	Aquila	9½	58 28.09	3,141	93 31 34.9	9.913	113
38524	Cygnus	8½	58 28.51	2,249	54 46 3.1	9.915	16
38525	Cygnus	6	58 28.74	1,794	42 19 58.1	9.915	386
38526	Cygnus	7	58 29.02	1,794	42 20 0.8	9.915	388
38527	Aquila	7½	58 34.49	+3,084	90 43 29.7	9.922	97
38528	Draco.....	9½	58 34.82	-1,837	13 19 38.8	9.922	361
38529	Cygnus	8	58 36.73	+2,261	55 10 48.6	9.924	297
38530	Cygnus	8½	58 39.63	1,535	37 7 32.6	9.928	301
38531	Cygnus	8	58 44.53	2,070	49 17 8.1	9.934	295
38532	Cygnus	9	58 48.36	1,625	38 47 51.1	9.939	300
38533	Sagittarius....	8	58 49.22	3,491	109 57 7.2	9.940	173
38534	Aquila	8½	58 50.90	3,048	88 55 21.4	9.942	95
38535	Capricornus ..	8½	58 52.33	3,351	103 37 10.4	9.945	115
38536	Capricornus ..	8	58 52.52	3,351	103 37 18.1	9.945	175
38537	Vulpecula	8½	58 53.31	2,473	62 47 20.1	9.945	24
38538	Aquila	9	58 54.41	3,134	93 10 23.1	9.947	182
38539	Aquila	8½	58 55.19	2,938	83 31 46.9	9.947	91
38540	Aquila	9	58 55.79	3,141	93 31 35.0	9.949	182
38541	Cygnus δ ¹	6½	58 56.52	2,244	54 34 14.7	9.949	16
38542	Capricornus ..	9	58 57.27	3,346	103 24 29.4	9.949	115
38543	Aquila	7½	58 57.70	2,876	80 30 59.6	9.952	87
38544	Aquila	8	58 58.22	3,224	97 35 25.8	9.952	101
38545	Aquila	7½	58 58.54	2,876	80 31 7.0	9.952	109
38546	Sagitta	7½	58 59.35	2,747	74 29 28.1	9.954	177
38547	Cygnus	8	59 0.65	2,270	55 26 9.8	9.954	297
38548	Cygnus	8	59 1.03	2,270	55 26 4.4	9.956	19
38549	Cygnus	8	59 2.00	2,252	54 51 9.9	9.956	16
38550	Cygnus	8½	59 2.32	2,343	57 57 56.2	9.956	21
38551	Aquila	8	59 2.46	3,107	91 50 50.8	9.956	99
38552	Sagitta	8	59 4.67	2,686	71 44 1.3	9.961	81
38553	Sagittarius....	8	59 5.48	3,733	119 45 19.3	9.961	180
38554	Aquila	6	59 5.62	2,862	79 50 38.2	9.961	87
38555	Aquila	6	59 6.04	2,862	79 50 49.9	9.961	302
38556	Aquila	8½	59 6.23	2,945	83 53 9.6	9.961	91
38557	Capricornus ..	8½	59 6.32	3,350	103 35 7.1	9.961	115
38558	Capricornus ..	8	59 6.79	3,350	103 35 9.6	9.963	175
38559	Cygnus	8	59 7.62	2,273	55 32 13.9	9.963	297
38560	Cygnus	•	19 59 8.31	+2,159	51 53 41.3	-9.965	14

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38561	Aquila	8½	19 59 9.76	+3,130	92 57 50.7	-9,965	99
38562	Cygnus	9	59 12.00	1,549	37 21 24.7	9,969	301
38563	Cygnus	8	59 12.26	1,864	43 53 41.5	9,970	240
38564	Cygnus	7	59 14.79	2,146	51 28 18.7	9,972	14
38565	Cygnus	8	59 20.30	1,636	38 59 16.2	9,979	300
38566	Aquila	8	59 23.42	2,830	78 20 36.8	9,984	106
38567	Sagitta	8	59 23.66	2,692	71 57 3.6	9,984	81
38568	Aquila	8½	59 27.05	2,934	83 18 49.3	9,988	91
38569	Sagitta	7	59 29.17	2,656	70 21 17.3	9,991	93
38570	Sagitta	8	59 29.38	2,648	70 2 13.8	9,991	93
38571	Aquila	9	59 34.89	2,827	78 11 2.4	9,998	106
38572	Sagittarius....	8½	59 36.50	3,551	112 31 51.4	10,000	174
38573	Aquila	8½	59 37.93	2,866	77 33 26.5	10,002	106
38574	Cygnus	8	59 38.32	1,933	45 34 2.9	10,002	11
38575	Cygnus	9½	59 40.06	+1,694	40 7 8.3	10,005	359
38576	Draco.....	8½	59 40.35	-2,423	11 54 55.7	10,005	361
38577	Cygnus	6½	59 40.40	+1,624	38 43 48.8	10,005	300
38578	Cygnus	8½	59 45.07	1,783	42 0 4.4	10,009	388
38579	Cygnus	8½	59 45.30	2,007	47 28 46.3	10,011	237
38580	Aquila	8½	59 47.62	2,858	79 39 28.3	10,014	109
38581	Aquila	7½	59 49.17	3,207	96 44 26.4	10,016	99
38582	Aquila	7½	59 50.50	2,861	79 47 9.8	10,018	87
38583	Aquila	7½	59 50.63	2,861	79 47 21.5	10,018	109
38584	Aquila	8	59 50.66	2,861	79 47 22.6	10,018	302
38585	Vulpecula	8½	59 53.90	2,624	68 57 10.0	10,022	298
38586	Vulpecula	9	59 55.77	2,510	64 13 21.8	10,024	25
38587	Vulpecula	9	59 55.87	2,463	62 21 17.1	10,024	24
38588	Cygnus	8	19 59 56.05	2,284	55 50 3.9	10,025	297
38589	Vulpecula	7½	20 0 0.93	2,612	68 24 59.2	10,031	298
38590	Sagitta	7	0 1.93	2,730	73 39 53.6	10,032	177
38591	Cygnus	6½	0 2.08	2,293	56 9 0.3	10,032	297
38592	Cygnus	6	0 2.30	2,293	56 8 59.7	10,033	19
38593	Cygnus	8½	0 8.83	2,346	57 59 11.5	10,041	21
38594	Vulpecula	8	0 9.91	2,552	65 55 27.2	10,042	28
38595	Vulpecula	8	0 10.24	2,550	65 48 42.1	10,043	28
38596	Aquila	8½	0 10.80	3,085	90 46 2.1	10,043	97
38597	Draco.....	9	0 14.51	0,550	24 40 5.9	10,048	362
38598	Aquila	9	0 16.06	2,858	79 39 29.4	10,050	302
38599	Sagitta	8	0 16.07	2,682	71 30 11.6	10,050	187
38600	Sagitta	8	20 0 16.16	+2,689	71 47 42.9	-10,050	81

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38601	Aquila	8½	20	0	18,73	+3,007	86 54 52,7	-10,053	92
38602	Aquila	7		□	19,00	3,262	99 25 16,8	10,054	111
38603	Aquila	6		□	19,18	3,262	99 25 20,5	10,054	101
38604	Cygnus	8½		□	19,35	1,899	44 39 55,9	10,054	240
38605	Capricornus ..	8		○	19,53	3,301	101 17 49,6	10,054	111
38606	Aquila	7½		□	19,55	3,262	99 25 18,7	10,054	236
38607	Vulpecula	7½		□	20,26	2,513	64 17 58,5	10,055	25
38608	Cygnus	8		□	20,33	2,164	51 56 23,5	10,055	14
38609	Aquila	9		○	23,67	3,152	94 5 2,7	10,060	182
38610	Aquila	7		○	25,34	3,205	96 40 0,0	10,062	99
38611	Vulpecula	9		○	26,24	2,550	65 48 29,0	10,063	28
38612	Aquila	6½		□	26,81	2,910	82 7 27,8	10,064	89
38613	Sagitta	8		○	27,42	2,733	73 46 55,6	10,064	177
38614	Cygnus	8		○	29,84	2,170	52 7 9,6	10,067	14
38615	Aquila	8½		□	31,65	2,968	84 59 53,6	10,070	190
38616	Aquila	8½		□	34,20	3,154	94 9 17,0	10,073	182
38617	Vulpecula	8½		○	46,40	2,457	62 3 30,3	10,088	24
38618	Sagittarius....	9		○	46,55	3,618	115 23 18,7	10,088	175
38619	Vulpecula	8½		□	48,09	2,490	63 22 0,3	10,090	25
38620	Sagitta	8		□	51,84	2,638	69 29 59,3	10,095	93
38621	Capricornus. ξ¹	7½		□	52,27	3,336	102 58 28,6	10,096	115
38622	Capricornus. ξ¹	6		□	52,31	3,336	102 58 26,3	10,096	175
38623	Aquila	8½		○	52,32	2,821	77 51 34,3	10,096	106
38624	Capricornus. ξ¹	6½		□	52,45	3,336	102 58 28,7	10,096	114
38625	Aquila	8		□	54,87	3,206	96 43 55,0	10,099	99
38626	Cygnus	6		□	57,27	1,560	37 25 6,3	10,102	301
38627	Aquila θ	3		□	58,49	3,098	91 24 10,2	10,103	97
38628	Aquila θ	3		○	58,71	3,098	91 24 16,5	10,104	189
38629	Aquila θ	3½		□	58,87	3,098	91 24 9,8	10,104	99
38630	Cygnus	8½		1	1,24	2,128	50 49 26,0	10,107	13
38631	Sagitta	8		1	2,65	2,642	69 40 57,5	10,109	93
38632	Aquila	7½		1	2,78	3,084	90 42 15,5	10,109	97
38633	Sagitta θ	6½		1	6,65	2,642	69 40 7,5	10,114	93
38634	Capricornus ..	8		1	6,83	3,303	101 25 31,7	10,114	111
38635	Sagittarius....	9		1	7,79	3,619	115 27 9,6	10,115	175
38636	Cygnus	8		1	9,00	1,976	46 34 1,1	10,117	11
38637	Cygnus	8		1	10,05	2,228	53 54 14,6	10,118	16
38638	Cygnus	8		1	10,11	1,932	45 25 12,8	10,118	11
38639	Cygnus	7		1	12,56	2,037	48 11 30,6	10,121	237
38640	Cygnus	7½	20	1	13,30	+2,037	48 11 28,1	-10,122	295

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38641	Capricornus. ξ^2	6	20 1 16,26	+3,340	103 11 27,2	-10,126	175
38642	Capricornus ..	7	1 16,28	3,298	101 11 20,8	10,126	113
38643	Capricornus. ξ^2	7	1 16,71	+3,340	103 11 29,4	10,127	114
38644	Draco.....	9½	1 17,02	-2,902	10 56 25,5	10,127	365
38645	Cygnus	9	1 17,18	+1,805	42 23 1,7	10,127	388
38646	Aquila	7	1 19,29	2,953	84 14 2,2	10,130	91
38647	Cygnus	8	1 20,95	2,029	47 58 16,3	10,132	237
38648	Cygnus	8	1 21,49	2,029	47 58 10,9	10,133	295
38649	Aquila	7½	1 26,97	3,246	98 40 32,5	10,139	101
38650	Vulpecula	8½	1 27,02	2,463	62 15 20,5	10,139	239
38651	Aquila	8	1 27,85	3,246	98 40 35,0	10,141	236
38652	Cygnus	7½	1 29,35	1,711	40 20 38,0	10,142	359
38653	Cygnus	8	1 29,57	2,311	56 39 32,8	10,143	19
38654	Capricornus ..	9	1 29,73	3,582	113 55 59,8	10,143	174
38655	Vulpecula	8	1 30,00	2,614	68 26 13,7	10,143	298
38656	Vulpecula	8	1 30,40	2,488	63 14 50,8	10,144	26
38657	Aquila	9	1 31,12	2,768	75 22 16,0	10,145	103
38658	Cygnus	8	1 32,54	1,899	44 34 44,4	10,146	240
38659	Sagitta	8	1 33,15	2,635	69 20 36,8	10,147	93
38660	Aquila	7	1 35,50	2,959	84 30 32,7	10,150	91
38661	Capricornus ..	8½	1 35,74	+3,365	104 22 32,8	10,150	175
38662	Draco.....	9	1 36,04	-1,522	14 6 7,4	10,151	361
38663	Cygnus	8	1 37,75	+2,427	60 51 12,0	10,153	22
38664	Aquila	7½	1 39,73	2,905	81 52 1,8	10,155	89
38665	Cygnus	6½	1 41,26	2,128	50 46 43,5	10,157	13
38666	Cygnus	•	1 44,38	1,918	45 2 0,8	10,161	240
38667	Capricornus ..	•	1 45,24	3,277	100 12 26,1	10,163	112
38668	Cygnus	9	1 45,76	2,288	55 51 37,4	10,163	297
38669	Vulpecula	8	1 48,32	2,465	62 18 41,5	10,166	239
38670	Cygnus	7½	1 48,38	2,318	56 53 54,6	10,166	297
38671	Cygnus	7½	1 48,58	2,318	56 53 54,5	10,167	19
38672	Vulpecula	7½	1 49,38	2,465	62 18 45,1	10,168	24
38673	Cygnus	8	1 51,29	2,293	57 2 14,8	10,170	297
38674	Aquila	9	1 51,51	2,828	78 10 42,3	10,170	106
38675	Draco..... ρ	5½	1 51,75	0,313	22 41 42,5	10,171	362
38676	Aquila	9	1 52,19	+3,005	86 47 1,6	10,171	92
38677	Draco.....	9½	1 52,94	-2,954	10 49 58,7	10,172	365
38678	Aquila	8½	1 56,70	+3,234	98 8 10,2	10,177	236
38679	Aquila	6	1 56,96	3,210	96 57 4,1	10,177	99
38680	Cygnus	8½	20 1 57,25	+2,427	60 50 59,7	-10,177	22

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38681	Vulpecula	7	20	1	58.15	+2,545	65 31 56.9	-10,179	28
38682	Cygnus 6 ³	6		2	0.06	2,225	53 44 32.0	10,181	16
38683	Sagitta	7½		2	2.30	2,748	74 25 1.8	10,184	177
38684	Aquila	8		2	4.92	3,035	88 16 45.5	10,187	95
38685	Aquila	8		2	9.17	3,233	98 2 44.8	10,193	236
38686	Cygnus	9		2	9.62	2,034	48 2 16.2	10,193	237
38687	Cygnus	8½		2	9.74	2,430	60 56 3.7	10,193	22
38688	Vulpecula	8½		2	10.45	2,620	68 40 16.0	10,194	298
38689	Vulpecula . . . .	.		2	12.86	2,582	67 3 22.5	10,197	28
38690	Vulpecula	5		2	13.00	2,500	63 40 47.9	10,197	26
38691	Sagitta	7		2	15.15	2,638	69 27 2.6	10,200	93
38692	Sagittarius . . . .	.		2	15.96	3,675	117 36 46.6	10,201	174
38693	Capricornus . .	6½		2	16.19	3,340	103 11 27.0	10,201	115
38694	Sagitta	7		2	17.15	2,678	71 13 5.1	10,203	81
38695	Sagitta	8		2	17.15	2,678	71 12 59.9	10,203	187
38696	Vulpecula	7½		2	17.99	2,487	63 8 57.3	10,204	239
38697	Vulpecula	7½		2	19.40	2,461	62 9 2.6	10,205	24
38698	Aquila	8		2	20.23	3,142	93 34 58.9	10,206	182
38699	Cygnus	8		2	22.03	2,046	48 21 6.4	10,209	238
38700	Cygnus	9		2	22.51	2,046	48 20 56.0	10,209	295
38701	Cygnus	7½		2	24.18	2,446	61 33 7.2	10,211	22
38702	Sagitta	7½		2	30.22	2,633	69 13 52.3	10,219	93
38703	Aquila . . . . .	.		2	31.51	2,860	79 40 7.0	10,221	109
38704	Aquila	8		2	31.99	2,860	79 40 14.3	10,221	302
38705	Capricornus . .	9		2	34.68	3,427	107 15 28.3	10,224	171
38706	Vulpecula	6½		2	36.34	2,621	68 42 33.0	10,227	298
38707	Sagitta	7½		2	38.33	2,755	74 42 38.0	10,229	177
38708	Cygnus	7		2	38.63	2,153	51 26 41.6	10,230	14
38709	Cygnus	9		2	40.72	1,641	38 50 53.2	10,232	301
38710	Vulpecula	9		2	43.41	2,618	68 33 32.8	10,235	298
38711	Sagittarius	6		2	47.07	3,671	117 36 58.5	10,240	180
38712	Aquila	7½		2	47.10	3,015	87 16 58.9	10,240	95
38713	Aquila	7		2	47.35	3,088	90 55 12.2	10,240	97
38714	Vulpecula	9		2	47.41	2,620	68 37 20.9	10,240	298
38715	Aquila	8½		2	47.51	3,015	87 16 58.9	10,241	190
38716	Aquila	8		2	47.81	3,015	87 16 55.4	10,241	92
38717	Sagitta	7½		2	48.65	2,679	71 13 53.9	10,242	81
38718	Sagitta	9		2	48.72	2,679	71 13 48.6	10,242	187
38719	Aquila	8		2	50.10	2,766	75 13 41.2	10,244	103
38720	Cygnus	8	20	2	50.22	+2,322	56 57 4.5	-10,244	297

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38721	Cygnus	8	20	2	52,92	+2,322	56	57	15,5
38722	Aquila	6		2	53,49	3,102	91	35	50,2
38723	Aquila	6		2	53,95	3,102	91	35	51,4
38724	Cygnus	9		2	54,10	1,778	41	40	16,9
38725	Cygnus	8		2	54,59	2,315	56	43	48,7
38726	Cygnus	7½		2	54,87	2,315	56	43	49,2
38727	Aquila	8		2	56,09	3,234	98	8	6,9
38728	Aquila	8½		2	56,37	2,853	79	19	53,5
38729	Aquila	•		2	56,56	2,853	79	19	51,3
38730	Aquila	8		2	58,05	3,011	87	6	7,4
38731	Cygnus	8½		2	58,23	2,435	61	5	55,4
38732	Aquila	8		2	58,25	3,011	87	5	59,9
38733	Aquila	8½		2	58,52	3,011	87	6	4,4
38734	Cygnus	8		2	59,13	2,036	48	2	38,9
38735	Cygnus	8½		2	59,61	2,036	48	2	30,5
38736	Aquila	9		3	1,85	2,851	79	13	9,2
38737	Cygnus	9		3	1,96	1,700	39	59	54,6
38738	Cygnus	7½		3	6,39	3,303	101	29	6,1
38739	Aquila	•		3	6,59	2,856	79	27	1,4
38740	Capricornus ..	•		3	8,16	3,483	109	47	56,5
38741	Aquila	8		3	8,91	3,106	91	47	56,9
38742	Aquila	8		3	9,08	3,232	98	2	40,5
38743	Cygnus	8		3	12,36	2,360	58	18	0,2
38744	Cygnus	8		3	16,33	2,444	61	25	11,9
38745	Cygnus	7½		3	16,66	2,444	61	25	13,2
38746	Sagitta	7½		3	17,16	2,641	69	31	11,3
38747	Cygnus	8		3	18,64	2,221	53	32	33,0
38748	Sagitta	9		3	19,13	2,701	72	12	55,4
38749	Capricornus ..	8		3	23,28	3,376	104	55	40,7
38750	Cygnus	6½		3	24,88	2,110	50	6	22,8
38751	Vulpecula	6		3	27,01	2,504	63	46	47,4
38752	Vulpecula	7½		3	27,38	2,575	66	40	6,4
38753	Aquila	8½		3	28,07	2,975	85	16	50,5
38754	Vulpecula	7		3	29,51	2,502	63	41	27,3
38755	Aquila	•		3	30,05	2,851	79	13	5,9
38756	Aquila	8		3	33,57	2,768	75	15	31,9
38757	Aquila	7		3	35,65	2,841	78	44	11,5
38758	Cygnus	7		3	36,52	1,986	46	38	39,7
38759	Vulpecula	6		3	37,31	2,513	64	6	34,7
38760	Aquila	8½	20	3	41,84	+3,099	91	28	31,8

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38761	Aquila	6	20	3	43,85	+3,203	96° 38' 24,5	-10,311	99
38762	Aquila	8		3	44,09	2,857	79 28 25,2	10,311	109
38763	Capricornus ..	8		3	48,70	3,303	101 29 6,3	10,317	114
38764	Capricornus ..	8½		3	48,83	3,318	102 13 49,4	10,317	114
38765	Capricornus ..	8		3	48,89	3,430	107 26 47,0	10,317	171
38766	Cygnus	8		3	49,87	2,314	56 36 54,8	10,319	297
38767	Cygnus	8		3	50,60	2,314	56 36 54,0	10,320	19
38768	Vulpecula ....	.		3	50,68	2,578	66 47 41,3	10,320	28
38769	Aquila	8		3	56,42	2,885	80 51 29,5	10,327	302
38770	Cygnus	8		3	56,88	1,961	45 58 4,0	10,327	1
38771	Capricornus ..	7		3	57,67	3,355	103 58 45,1	10,328	176
38772	Cygnus	7		3	58,10	1,961	45 58 4,8	10,329	11
38773	Draco.....	7		3	58,36	0,309	22 32 52,6	10,329	362
38774	Cygnus	8		3	58,52	1,649	38 54 37,1	10,330	301
38775	Aquila	8	4	1	29	3,067	89 51 35,0	10,333	97
38776	Capricornus ..	7½	4	4	61	3,301	101 25 11,4	10,337	112
38777	Aquila	8	4	4	70	3,079	90 26 56,5	10,337	97
38778	Cygnus	8	4	7	38	2,181	52 11 41,6	10,341	14
38779	Cygnus	8½	4	10	01	2,055	48 27 37,9	10,344	238
38780	Aquila	8	4	12	20	3,005	86 47 2,6	10,347	92
38781	Cygnus	9½	4	15	17	1,668	39 15 30,9	10,350	359
38782	Capricornus ..	.	4	17	96	3,582	114 6 32,6	10,354	174
38783	Sagitta	8	4	20	96	2,640	69 26 46,7	10,358	93
38784	Aquila	8½	4	21	27	2,950	84 0 53,4	10,358	91
38785	Aquila	8½	4	21	35	2,950	84 0 55,3	10,358	188
38786	Aquila	8	4	21	97	2,949	84 0 6,4	10,359	91
38787	Cygnus	8½	4	22	09	2,249	54 23 35,4	10,359	16
38788	Aquila	8½	4	22	34	2,949	84 0 13,3	10,359	188
38789	Cygnus	8½	4	24	35	2,368	58 30 30,8	10,362	21
38790	Cygnus	7½	4	30	26	1,814	42 21 22,5	10,369	388
38791	Aquila	8½	4	30	35	3,231	98 2 13,8	10,369	101
38792	Aquila	8½	4	31	18	3,231	98 2 17,2	10,371	236
38793	Cygnus	9½	4	31	34	1,668	39 13 43,7	10,371	359
38794	Aquila .....	.	4	31	88	2,920	82 32 31,7	10,371	89
38795	Vulpecula	8	4	38	95	2,494	63 18 26,8	10,380	239
38796	Vulpecula	8	4	39	38	2,494	63 18 29,5	10,381	24
38797	Sagitta	8½	4	40	61	2,707	72 25 9,3	10,382	187
38798	Capricornus ..	8	4	41	20	3,417	106 53 29,2	10,383	177
38799	Aquila	9	4	41	21	3,152	94 5 59,5	10,383	182
38800	Aquila	7½	20	4	42,00	+3,152	94 5 51,4	-10,384	182

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38801	Cygnus	7½	20	4	42,37	+2,118	50 15 39,3	-10,384	13
38802	Aquila	7		4	42,88	3,233	98 7 47,1	10,385	101
38803	Aquila	7½		4	43,41	3,233	98 7 49,3	10,386	236
38804	Aquila	6		4	45,23	3,193	96 7 59,4	10,388	99
38805	Vulpecula	8		4	45,71	2,570	66 23 56,4	10,388	28
38806	Cygnus	7		4	48,89	2,184	52 14 11,3	10,393	14
38807	Aquila	8		4	51,03	3,014	87 11 26,9	10,395	190
38808	Aquila	7½		4	51,13	3,013	87 11 25,3	10,395	93
38809	Aquila	7		4	51,26	3,014	87 11 24,8	10,395	95
38810	Cygnus	8½		4	51,97	1,863	43 28 1,2	10,396	240
38811	Sagitta	8		4	52,67	2,641	69 28 0,5	10,397	93
38812	Cygnus	9		4	52,86	2,363	58 16 43,3	10,398	21
38813	Cygnus	7		4	55,89	2,178	52 3 29,0	10,401	14
38814	Capricornus ..	.		4	57,88	+3,354	103 58 33,5	10,404	115
38815	Draco.....	7		4	59,06	-1,488	14 4 52,7	10,405	361
38816	Cygnus	8½		4	59,11	+2,413	60 6 52,3	10,405	22
38817	Vulpecula	8		5	0,74	2,562	66 4 4,8	10,407	28
38818	Aquila p	5½		5	1,35	2,772	75 24 7,4	10,408	103
38819	Sagitta	8		5	1,92	2,706	72 22 42,1	10,409	187
38820	Sagitta	8		5	2,78	2,716	72 47 46,3	10,410	81
38821	Vulpecula	6½		5	5,21	2,569	66 21 29,1	10,413	28
38822	Cygnus	8		5	8,92	1,618	38 12 17,1	10,417	301
38823	Aquila	8		5	9,87	3,020	87 31 55,4	10,419	95
38824	Cygnus	8		5	10,90	+1,873	43 40 23,3	10,420	240
38825	Draco.....	9		5	15,12	-3,874	9 20 38,1	10,425	365
38826	Aquila	8		5	17,28	+3,130	93 1 54,1	10,428	99
38827	Capricornus ..	7		5	17,61	3,332	102 56 11,5	10,428	115
38828	Capricornus ..	6½		5	17,72	3,332	102 56 11,7	10,428	114
38829	Capricornus ..	7		5	17,74	3,332	102 56 13,7	10,428	176
38830	Aquila	6½		5	17,84	2,871	80 7 37,1	10,429	302
38831	Capricornus ..	6		5	17,89	3,332	102 56 9,3	10,429	113
38832	Draco.....	7½		5	17,92	0,537	24 16 25,5	10,429	362
38833	Aquila	8½		5	20,57	2,853	79 15 38,1	10,432	109
38834	Vulpecula	8½		5	20,68	2,489	63 3 41,3	10,432	239
38835	Vulpecula	8½		5	21,32	2,489	63 3 42,9	10,433	24
38836	Aquila	7½		5	22,15	3,237	98 19 55,5	10,434	101
38837	Aquila	8		5	22,76	3,237	98 19 53,8	10,435	236
38838	Aquila	8		5	23,17	3,076	90 20 33,6	10,435	97
38839	Capricornus ..	7½		5	23,21	3,529	111 55 2,7	10,435	174
38840	Aquila	9	20	5	26,92	+2,813	77 21 11,5	-10,440	106

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38841	Cygnus	6	20	5	27.38	+2,123	50	19	29.0
38842	Aquila	6½		5	27.46	3,025	87	45	6.7
38843	Capricornus ..	•		5	29.44	3,464	109	2	1.9
38844	Capricornus ..	8		5	29.89	3,464	109	2	5.4
38845	Cygnus	9		5	37.36	2,023	47	28	44.3
38846	Aquila	8		5	38.08	2,817	77	30	47.6
38847	Cygnus	8		5	46.13	2,291	55	40	57.2
38848	Aquila	7½		5	47.33	2,878	80	26	58.8
38849	Aquila	6½		5	47.86	2,878	80	27	2.5
38850	Aquila	7		5	51.68	2,925	82	47	31.0
38851	Aquila	7		5	51.71	2,925	82	47	31.6
38852	Cygnus	8		5	55.16	1,840	42	51	18.9
38853	Vulpecula	8		5	59.12	2,556	65	45	9.1
38854	Vulpecula	8		5	59.28	+2,556	65	44	10.9
38855	Draco.....	9½	6	0	0.90	-2,738	11	6	35.0
38856	Cygnus	5	6	1	1.75	+2,461	61	54	10.3
38857	Cygnus	8	6	2	2.62	2,249	54	16	7.3
38858	Aquila	7½	6	4	4.52	3,111	92	6	6.4
38859	Cygnus	7	6	6	6.39	2,174	51	49	54.2
38860	Aquila	8½	6	8	8.00	3,065	89	46	55.0
38861	Aquila	9	6	8	8.23	2,928	82	55	58.0
38862	Aquila	7½	6	8	8.66	2,990	86	1	10.2
38863	Capricornus ..	9	6	9	9.52	3,601	114	58	36.0
38864	Cygnus	8	6	11	11.97	2,035	47	45	44.4
38865	Cygnus	8	6	12	12.02	2,035	47	45	43.0
38866	Cygnus	7	6	13	13.65	2,423	60	25	16.0
38867	Cygnus	8½	6	14	14.20	1,658	38	54	37.5
38868	Sagitta	9	6	15	15.63	2,702	72	7	33.3
38869	Cygnus	8	6	20	20.86	2,374	58	36	3.8
38870	Aquila	7	6	21	21.02	3,151	94	5	25.7
38871	Sagitta	8½	6	21	21.18	2,702	72	7	48.3
38872	Aquila	8½	6	26	26.15	2,865	79	48	25.4
38873	Aquila	8½	6	26	26.38	2,870	80	4	13.7
38874	Capricornus ..	4	6	30	30.24	3,335	103	6	31.4
38875	Aquila	7½	6	30	30.61	2,771	75	17	6.6
38876	Capricornus ..	8	6	30	30.75	3,459	108	52	12.0
38877	Capricornus α ¹	3½	6	32	32.23	3,335	103	6	46.7
38878	Capricornus α ¹	4	6	32	32.92	3,335	103	6	54.9
38879	Capricornus α ¹	4	6	33	33.17	3,335	103	6	53.5
38880	Capricornus α ¹	4	20	6	33.19	+3,335	103	6	52.9

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38881	Capricornus α^1	4	20	6	33.23	+3.335	103	6	55.1
38882	Capricornus α^1	4		6	33.26	3.335	103	6	54.9
38883	Capricornus α^1	•		6	33.29	3.335	103	6	56.2
38884	Aquila	8		6	33.80	2.841	78	38	42.9
38885	Capricornus α^1	4		6	33.82	3.335	103	6	42.8
38886	Capricornus α^1	4		6	34.16	3.335	103	6	48.6
38887	Capricornus α^1	4		6	34.58	3.335	103	6	51.7
38888	Cygnus	7		6	35.15	2.242	53	59	37.7
38889	Aquila	8		6	37.46	3.106	91	48	55.3
38890	Cygnus	8		6	38.66	2.291	55	36	32.1
38891	Cygnus	8½		6	42.13	2.294	55	43	2.2
38892	Cygnus	8		6	43.05	2.001	46	47	18.1
38893	Cygnus	6½		6	43.68	2.001	46	47	18.9
38894	Aquila	8½		6	45.75	2.870	80	4	15.7
38895	Aquila	8½		6	45.86	2.865	79	48	28.3
38896	Vulpecula	5		6	47.72	2.539	65	0	34.9
38897	Capricornus ..	6		6	53.78	3.335	103	8	44.4
38898	Capricornus α^2	3		6	55.74	3.335	103	9	8.8
38899	Capricornus α^2	3		6	56.71	3.335	103	9	12.4
38900	Aquila	8		6	56.74	3.210	97	0	44.3
38901	Capricornus α^2	3		6	56.76	3.335	103	9	12.1
38902	Capricornus α^2	3		6	56.91	3.335	103	9	12.8
38903	Capricornus α^2	3		6	56.97	3.335	103	9	5.8
38904	Capricornus α^2	3		6	57.07	3.336	103	9	11.9
38905	Cygnus	5		6	57.09	1.672	39	8	4.0
38906	Capricornus α^2	•		6	57.13	3.336	103	9	16.2
38907	Cygnus	5		6	57.35	1.672	39	8	2.5
38908	Capricornus α^2	3		6	57.48	3.335	103	8	57.9
38909	Capricornus α^2	3		6	57.57	3.335	103	9	7.5
38910	Cygnus	8		6	57.95	1.672	39	7	56.7
38911	Cygnus	6		6	58.04	1.672	39	7	54.5
38912	Capricornus α^2	3		6	58.29	3.335	103	9	8.7
38913	Cygnus	6		6	58.66	2.017	47	13	13.6
38914	Cygnus	6½		6	58.88	2.017	47	13	14.1
38915	Cygnus	7½		6	59.22	2.017	47	13	13.2
38916	Cygnus	6		7	0.01	2.017	47	13	12.4
38917	Capricornus ..	8½		7	0.02	3.588	114	30	16.2
38918	Cygnus θ^1	5		7	0.52	1.883	43	47	0.7
38919	Aquila	8		7	0.74	3.123	92	40	7.5
38920	Aquila	9	20	7	1.22	+3.007	86	49	50.4

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38841	Cygnus	6	20 5 27.38	+2,123	50 19 29.0	-10,440	13
38842	Aquila	6½	5 27.46	3,025	87 45 6.7	10,440	95
38843	Capricornus ..	•	5 29.44	3,464	109 2 1.9	10,443	173
38844	Capricornus ..	8	5 29.89	3,464	109 2 5.4	10,444	177
38845	Cygnus	9	5 37.36	2,023	47 28 44.3	10,453	238
38846	Aquila	8	5 38.08	2,817	77 30 47.6	10,454	106
38847	Cygnus	8	5 46.13	2,291	55 40 57.2	10,464	297
38848	Aquila	7½	5 47.33	2,878	80 26 58.8	10,465	109
38849	Aquila	6½	5 47.86	2,878	80 27 2.5	10,466	302
38850	Aquila	7	5 51.53	2,925	82 47 31.0	10,471	102
38851	Aquila	7	5 51.71	2,925	82 47 31.6	10,471	89
38852	Cygnus	8	5 55.16	1,840	42 51 18.9	10,475	388
38853	Vulpecula	8	5 59.12	2,556	65 45 9.1	10,480	26
38854	Vulpecula	8	5 59.28	+2,556	65 44 10.9	10,480	28
38855	Draco.....	9½	6 0.90	-2,738	11 6 35.0	10,482	365
38856	Cygnus	5	6 1.75	+2,461	61 54 10.3	10,483	24
38857	Cygnus	8	6 2.62	2,249	54 16 7.3	10,484	16
38858	Aquila	7½	6 4.52	3,111	92 6 6.4	10,487	99
38859	Cygnus	7	6 6.39	2,174	51 49 54.2	10,489	14
38860	Aquila	8½	6 8.00	3,065	89 46 55.0	10,491	97
38861	Aquila	9	6 8.23	2,928	82 55 58.0	10,491	102
38862	Aquila	7½	6 8.66	2,990	86 1 10.2	10,492	93
38863	Capricornus ..	9	6 9.52	3,601	114 58 36.0	10,493	175
38864	Cygnus	8	6 11.97	2,035	47 45 44.4	10,496	238
38865	Cygnus	8	6 12.02	2,035	47 45 43.0	10,496	2
38866	Cygnus	7	6 13.65	2,423	60 25 16.0	19,498	22
38867	Cygnus	8½	6 14.20	1,658	38 54 37.5	10,499	301
38868	Sagitta	9	6 15.63	2,702	72 7 33.3	10,501	187
38869	Cygnus	8	6 20.86	2,374	58 36 3.8	10,507	21
38870	Aquila	7	6 21.02	3,151	94 5 25.7	10,507	182
38871	Sagitta	8½	6 21.18	2,702	72 7 48.3	10,508	187
38872	Aquila	8½	6 26.15	2,865	79 48 25.4	10,514	109
38873	Aquila	8½	6 26.38	2,870	80 4 13.7	10,514	302
38874	Capricornus ..	4	6 30.24	3,335	103 6 31.4	10,519	174
38875	Aquila	7½	6 30.61	2,771	75 17 6.6	10,519	103
38876	Capricornus ..	8	6 30.75	3,459	108 52 12.0	10,519	177
38877	Capricornus α ¹	3½	6 32.23	3,335	103 6 46.7	10,521	116
38878	Capricornus α ¹	4	6 32.92	3,335	103 6 54.9	10,522	115
38879	Capricornus α ¹	4	6 33.17	3,335	103 6 53.5	10,522	113
38880	Capricornus α ¹	4	20 6 33.19	+3,335	103 6 52.9	-10,522	171

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38881	Capricornus α^1	4	20	6	33.23	+3.335	103	6	55.1	-10.522	176
38882	Capricornus α^1	4		6	33.26	3.335	103	6	54.9	10.523	114
38883	Capricornus α^1	•		6	33.29	3.335	103	6	56.2	10.523	349
38884	Aquila	8		6	33.80	2.841	78	38	42.9	10.523	106
38885	Capricornus α^1	4		6	33.82	3.335	103	6	42.8	10.523	173
38886	Capricornus α^1	4		6	34.16	3.335	103	6	48.6	10.523	112
38887	Capricornus α^1	4		6	34.58	3.335	103	6	51.7	10.524	236
38888	Cygnus	7		6	35.15	2.242	53	59	37.7	10.525	16
38889	Aquila	8		6	37.46	3.106	91	48	55.3	10.528	99
38890	Cygnus	8		6	38.66	2.291	55	36	32.1	10.529	297
38891	Cygnus	8½		6	42.13	2.294	55	43	2.2	10.533	297
38892	Cygnus	8		6	43.05	2.001	46	47	18.1	10.535	11
38893	Cygnus	6½		6	43.68	2.001	46	47	18.9	10.535	1
38894	Aquila	8½		6	45.75	2.870	80	4	15.7	10.538	109
38895	Aquila	8½		6	45.86	2.865	79	48	28.3	10.538	302
38896	Vulpecula	5		6	47.72	2.539	65	0	34.9	10.540	26
38897	Capricornus ..	6		6	53.78	3.335	103	8	44.4	10.548	174
38898	Capricornus α^2	3		6	55.74	3.335	103	9	8.8	10.550	116
38899	Capricornus α^2	3		6	56.71	3.335	103	9	12.4	10.552	113
38900	Aquila	8		6	56.74	3.210	97	0	44.3	10.552	99
38901	Capricornus α^2	3		6	56.76	3.335	103	9	12.1	10.552	176
38902	Capricornus α^2	3		6	56.91	3.335	103	9	12.8	10.552	115
38903	Capricornus α^2	3		6	56.97	3.335	103	9	5.8	10.552	171
38904	Capricornus α^2	3		6	57.07	3.336	103	9	11.9	10.552	114
38905	Cygnus	5		6	57.09	1.672	39	8	4.0	10.552	387
38906	Capricornus α^2	•		6	57.13	3.336	103	9	16.2	10.552	349
38907	Cygnus	5		6	57.35	1.672	39	8	2.5	10.552	387
38908	Capricornus α^2	3		6	57.48	3.335	103	8	57.9	10.552	173
38909	Capricornus α^2	3		6	57.57	3.335	103	9	7.5	10.553	112
38910	Cygnus	8		6	57.95	1.672	39	7	56.7	10.553	359
38911	Cygnus	6		6	58.04	1.672	39	7	54.5	10.553	301
38912	Capricornus α^2	3		6	58.29	3.335	103	9	8.7	10.553	236
38913	Cygnus	6		6	58.66	2.017	47	13	13.6	10.554	238
38914	Cygnus	6½		6	58.88	2.017	47	13	14.1	10.554	2
38915	Cygnus	7½		6	59.22	2.017	47	13	13.2	10.555	1
38916	Cygnus	6		7	0.01	2.017	47	13	12.4	10.556	11
38917	Capricornus ..	8½		7	0.02	3.588	114	30	16.2	10.556	174
38918	Cygnus θ^1	5		7	0.52	1.883	43	47	0.7	10.556	240
38919	Aquila	8		7	0.74	3.123	92	40	7.5	10.557	99
38920	Aquila	9	20	7	1.22	+3.007	116	49	50.4	-10.557	93

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38921	Cygnus δ^2	5½	20	7	2,67	+2,237	53	47	55,3	-10,559	16
38922	Cygnus	7½		7	2,91	+2,352	57	44	3,5	10,559	21
38923	Draco	9½		7	2,96	-2,759	11	4	15,5	10,559	361
38924	Cygnus	7		7	4,95	+2,221	53	14	51,1	10,562	14
38925	Aquila	8		7	5,08	2,842	78	40	12,7	10,562	106
38926	Aquila	8		7	6,84	3,056	89	17	25,2	10,564	97
38927	Aquila . . . . .	.		7	9,39	3,243	98	40	24,9	10,567	101
38928	Cygnus	7½		7	10,67	2,239	53	50	58,2	10,569	16
38929	Cygnus	8		7	14,30	+2,429	60	34	58,7	10,573	22
38930	Draco	9		7	14,88	-2,739	11	4	13,0	10,574	365
38931	Aquila	9		7	15,29	+3,052	89	7	36,7	10,575	97
38932	Capricornus ..	8		7	16,01	3,449	108	28	5,2	10,575	177
38933	Cygnus	7½		7	19,41	2,125	50	16	20,8	10,580	13
38934	Aquila	6		7	19,70	2,903	81	38	40,7	10,580	89
38935	Cygnus	5		7	19,81	1,887	43	51	33,7	10,580	240
38936	Aquila	6½		7	19,84	2,903	81	38	40,1	10,580	102
38937	Cygnus . . . . .	.		7	20,25	1,889	43	53	20,7	10,581	240
38938	Cygnus	7½		7	27,78	2,065	48	29	50,9	10,590	2
38939	Vulpecula	5		7	28,24	2,486	62	47	25,2	10,591	239
38940	Vulpecula	5		7	29,35	2,486	62	47	26,5	10,592	24
38941	Cygnus	8½		7	36,06	2,303	55	57	41,2	10,600	297
38942	Aquila	7½		7	36,31	3,176	95	21	8,6	10,601	182
38943	Cygnus	6		7	37,92	2,329	56	52	10,2	10,603	297
38944	Cygnus . . . . .	.		7	40,96	2,211	52	54	31,4	10,606	14
38945	Cygnus	6		7	44,45	2,329	56	52	6,2	10,611	21
38946	Vulpecula	8		7	45,26	2,564	65	59	38,3	10,612	28
38947	Capricornus ..	7½		7	46,60	3,619	115	49	57,6	10,613	175
38948	Capricornus σ	6½		7	50,05	3,477	109	43	49,8	10,618	174
38949	Capricornus σ	5½		7	50,73	3,477	109	43	50,9	10,618	177
38950	Cygnus	9		7	50,87	1,674	39	6	23,9	10,619	359
38951	Aquila	9		7	51,20	3,241	98	33	59,2	10,619	101
38952	Cygnus	8		7	51,29	1,674	39	6	21,3	10,619	301
38953	Capricornus ..	8		7	53,32	3,280	100	29	42,4	10,622	112
38954	Aquila	9		7	54,64	2,959	84	24	56,0	10,623	188
38955	Aquila	8½		7	55,56	2,837	78	23	21,9	10,624	106
38956	Sagitta	8½		7	56,12	2,707	72	15	13,0	10,625	187
38957	Aquila	8½		7	56,19	3,120	92	31	16,6	10,625	99
38958	Vulpecula	7½		7	57,83	2,519	64	6	59,2	10,627	26
38959	Cygnus	8½		8	5,40	2,324	56	41	2,9	10,637	297
38960	Capricornus ..	8½	20	8	5,74	+3,299	101	24	47,4	-10,637	114

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38961	Cygnus	7	20	8	8,28	+2,095	49 18' 18,4	-10,640	13
38962	Vulpecula	7		8	8,85	2,488	62 49 57,1	10,641	24
38963	Vulpecula	7		8	9,15	2,488	62 49 55,0	10,641	239
38964	Cygnus	7½		8	9,53	1,688	39 21 55,5	10,642	301
38965	Cygnus	9		8	9,64	1,688	39 21 54,0	10,642	359
38966	Cygnus	8		8	12,31	2,039	47 42 43,7	10,645	238
38967	Vulpecula	5½		8	13,54	2,564	65 56 8,9	10,647	28
38968	Aquila	7½		8	15,07	3,214	97 14 47,4	10,649	99
38969	Cygnus .....	.		8	17,02	2,107	49 38 39,7	10,651	13
38970	Capricornus ..	8		8	19,07	3,340	103 25 0,9	10,653	176
38971	Aquila	7		8	23,31	3,069	89 58 12,4	10,659	97
38972	Vulpecula	7½		8	24,87	2,469	61 5 8,1	10,661	239
38973	Vulpecula	7½		8	25,31	2,469	62 5 6,2	10,661	24
38974	Capricornus ..	8½		8	25,47	3,618	115 49 29,4	10,662	175
38975	Aquila .....	.		8	27,13	3,168	94 59 7,3	10,664	182
38976	Cygnus	8		8	31,43	1,851	42 53 43,2	10,669	388
38977	Cygnus	8		8	31,92	2,328	56 46 2,9	10,669	297
38978	Cygnus	8		8	31,93	1,862	43 9 51,5	10,669	388
38979	Aquila	9		8	36,13	2,776	75 28 31,0	10,675	103
38980	Aquila	9		8	37,28	2,885	80 44 31,9	10,676	109
38981	Aquila	8½		8	38,39	2,970	84 59 28,0	10,677	188
38982	Cygnus	7½		8	42,61	2,000	46 36 22,8	10,683	11
38983	Aquila	8		8	43,08	2,890	80 57 41,2	10,683	109
38984	Cygnus	8		8	43,13	2,059	48 14 44,1	10,683	238
38985	Aquila	8½		8	43,27	2,890	80 57 46,6	10,684	302
38986	Cygnus .....	.		8	43,79	2,000	46 36 22,4	10,684	1
38987	Cygnus	8½		8	44,23	2,059	48 14 42,8	10,685	2
38988	Aquila	8½		8	45,58	3,070	90 5 56,3	10,686	97
38989	Cygnus	6		8	47,15	2,176	51 42 32,5	10,688	14
38990	Cygnus	7½		8	47,75	1,995	46 28 3,3	10,689	1
38991	Cygnus	7½		8	48,13	1,995	46 28 2,4	10,689	11
38992	Aquila	8½		8	49,20	3,156	94 22 4,7	10,691	182
38993	Cygnus	8		8	50,00	1,933	44 51 56,2	10,692	240
38994	Capricornus ..	8½		8	53,25	3,487	110 15 37,2	10,696	173
38995	Aquila	7		8	53,64	3,038	88 22 47,7	10,696	95
38996	Cygnus	8		8	54,06	2,368	58 13 47,1	10,697	21
38997	Cygnus	7½		8	54,35	2,325	56 39 34,6	10,697	297
38998	Cygnus	7		8	55,85	2,393	59 6 15,0	10,699	21
38999	Cygnus	7		8	56,20	2,393	59 6 17,2	10,699	22
39000	Aquila	9	20	8	56,56	+2,775	75 25 19,7	-10,700	103

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39001	Aquila	9	20	8	57.35	+3,250	99	3	24.8	-10,701	112
39002	Aquila	8½	9	5	26	3,124	92	44	26.7	10,710	99
39003	Cygnus	7½	9	7	21	2,235	53	33	11.8	10,713	16
39004	Vulpecula	8	9	9	82	2,524	64	14	14.8	10,716	26
39005	Cygnus	7½	9	11	41	2,321	56	28	17.4	10,718	297
39006	Sagitta	8½	9	12	12	2,709	72	17	3.4	10,719	187
39007	Cygnus	4	9	17	02	1,853	42	53	41.7	10,725	388
39008	Cygnus	5½	9	17	53	1,853	42	53	38.7	10,726	387
39009	Aquila	8	9	17	74	2,879	80	25	30.1	10,726	109
39010	Aquila	8½	9	17	80	2,879	80	25	28.8	10,726	302
39011	Capricornus ..	9½	9	19	19	3,269	99	59	43.1	10,728	112
39012	Cygnus . . . . .	.	9	20	50	2,455	61	27	59.0	10,729	24
39013	Cygnus	7½	9	20	65	2,455	61	27	58.1	10,730	239
39014	Aquila	8	9	21	59	2,881	80	31	34.0	10,731	303
39015	Aquila	8	9	21	75	2,881	80	31	32.2	10,731	109
39016	Aquila . . . . .	.	9	28	10	3,126	92	51	47.9	10,739	99
39017	Sagitta	8	9	28	57	2,730	73	15	5.5	10,739	187
39018	Sagitta	7	9	29	09	2,730	73	15	10.5	10,740	93
39019	Cygnus	7	9	31	26	1,941	45	1	39.2	10,743	240
39020	Capricornus ..	6½	9	31	36	3,381	105	24	10.4	10,743	178
39021	Capricornus ..	7	9	31	52	3,381	105	24	7.7	10,743	116
39022	Aquila	8½	9	31	53	2,834	78	11	41.0	10,743	106
39023	Aquila	7½	9	31	55	3,042	88	37	18.9	10,743	95
39024	Capricornus ..	7½	9	31	88	3,381	105	24	9.6	10,743	177
39025	Cygnus	6	9	32	07	1,941	45	1	39.5	10,744	1
39026	Capricornus ..	6	9	32	07	3,381	105	24	14.7	10,744	172
39027	Cygnus	6½	9	32	41	1,941	45	1	40.6	10,744	11
39028	Capricornus v	6	9	33	64	3,338	103	22	36.3	10,746	176
39029	Capricornus v	5½	9	33	98	3,338	103	22	31.6	10,746	114
39030	Aquila	8½	9	37	10	2,947	83	46	36.0	10,750	188
39031	Capricornus ..	8½	9	37	91	3,575	114	5	53.9	10,751	174
39032	Vulpecula	8	9	39	37	2,570	66	6	43.3	10,753	28
39033	Capricornus ..	9½	9	44	08	3,265	99	48	47.3	10,759	112
39034	Vulpecula	8	9	45	21	2,546	65	6	7.5	10,760	26
39035	Capricornus β	3	9	45	74	3,381	105	24	3.4	10,760	178
39036	Capricornus β	3	9	45	87	3,381	105	24	7.5	10,760	177
39037	Capricornus β	3	9	45	88	+3,381	105	24	4.6	10,761	116
39038	Draco	9	9	45	91	-2,722	11	1	37.8	10,761	365
39039	Capricornus β	3	9	45	93	+3,381	105	24	4.8	10,761	176
39040	Capricornus β	3	20	9	46.04	+3,380	105	24	1.7	-10,761	171

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39041	Capricornus β	3	20	9	46,37	+3,381	105	24	6,9	-10,761	177
39042	Aquila	7		9	46,73	3,208	96	58	29,9	10,762	99
39043	Capricornus β	3		9	46,75	3,381	105	23	57,3	10,762	173
39044	Aquila	7		9	47,07	3,208	96	58	31,2	10,762	236
39045	Cygnus	5½		9	47,74	2,131	50	14	43,4	10,763	13
39046	Vulpecula	6½		9	48,24	2,543	64	58	0,2	10,763	26
39047	Vulpecula	9		9	52,23	2,543	64	59	45,3	10,768	26
39048	Cygnus	7½		9	54,14	1,743	40	22	39,7	10,771	359
39049	Aquila	8½		9	59,37	2,840	78	28	47,2	10,777	106
39050	Cygnus	8		9	59,67	2,082	48	47	29,3	10,778	238
39051	Cygnus	8		9	59,92	2,082	48	47	33,5	10,778	2
39052	Aquila	8	10	0	0,83	3,067	89	52	32,5	10,779	97
39053	Aquila	8½	10	1	4,7	3,235	98	21	46,6	10,780	236
39054	Cygnus	7	10	1	4,7	2,200	52	22	32,5	10,780	14
39055	Capricornus ..	7½	10	1	5,9	3,301	101	36	14,2	10,780	114
39056	Capricornus ..	8½	10	1	7,6	3,275	100	18	6,9	10,780	112
39057	Aquila	8½	10	4	1,3	2,803	76	42	42,1	10,783	103
39058	Cygnus	8	10	5	2,8	1,953	45	16	23,2	10,785	240
39059	Cygnus	7	10	6	4,8	2,125	50	1	13,0	10,786	13
39060	Cygnus	7½	10	9	4,1	2,324	56	30	28,2	10,789	297
39061	Sagitta	8½	10	19	1,8	2,699	71	47	29,4	10,802	187
39062	Aquila .....	.	10	20	5,3	2,834	78	11	25,5	10,803	106
39063	Cygnus	7½	10	23	1,6	1,633	38	6	30,9	10,806	301
39064	Cygnus	5½	10	24	7,8	2,208	52	34	55,5	10,808	14
39065	Aquila	8	10	27	2,2	2,877	80	18	45,4	10,811	109
39066	Aquila	8	10	27	2,9	2,877	80	18	39,4	10,812	303
39067	Capricornus ..	9	10	27	3,3	3,304	101	43	40,6	10,812	114
39068	Aquila	8	10	27	7,6	3,207	96	58	19,6	10,812	99
39069	Cygnus	7½	10	27	9,0	2,379	58	30	15,5	10,812	21
39070	Aquila	9	10	32	3,2	2,879	80	24	29,5	10,818	109
39071	Aquila	8	10	32	8,2	3,055	89	13	51,6	10,819	97
39072	Aquila	8	10	33	2,3	3,055	89	13	48,8	10,819	95
39073	Aquila	9	10	34	3,2	+2,879	80	23	49,5	10,820	109
39074	Draco.....	9	10	35	1,6	-2,708	11	1	40,8	10,821	361
39075	Aquila	7	10	37	8,7	+2,811	77	4	13,4	10,825	103
39076	Cygnus	7	10	38	1,5	2,052	47	53	34,3	10,825	2
39077	Cygnus	6½	10	38	5,0	2,052	47	53	35,1	10,825	238
39078	Aquila	7½	10	39	7,2	2,932	83	0	19,2	10,827	102
39079	Cygnus	7½	10	43	8,9	1,660	38	36	51,2	10,832	301
39080	Vulpecula	8	20	10	46,27	+2,606	67	37	14,5	-10,835	298

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39081	Aquila	20 10 48,86	+2,829	77 56 6,9	-10,838	106
39082	Cygnus	8	10 51,94	1,656	38 30 31,0	10,842	301
39083	Aquila	8	10 52,07	2,867	79 48 31,3	10,842	115
39084	Aquila	8½	10 53,32	2,867	79 48 34,5	10,844	303
39085	Aquila	9	10 55,97	3,235	98 22 43,4	10,847	236
39086	Cygnus	7	10 58,34	2,301	55 38 6,0	10,849	297
39087	Cygnus	6	10 58,64	2,241	53 37 5,8	10,850	16
39088	Vulpecula	8	10 58,74	2,578	66 23 8,9	10,850	28
39089	Aquila	9½	10 59,61	3,149	94 1 39,0	10,852	183
39090	Cygnus	8	10 59,84	2,449	61 7 5,0	10,852	239
39091	Cygnus	7½	10 59,85	2,449	61 7 10,1	10,852	22
39092	Cygnus	8	11 0,50	1,944	44 58 40,6	10,852	240
39093	Aquila	8	11 0,80	2,770	75 4 46,5	10,853	93
39094	Cygnus	5½	11 1,04	2,122	49 53 5,3	10,853	13
39095	Capricornus ..	9	11 3,09	3,402	106 27 12,8	10,855	177
39096	Aquila	9	11 4,62	2,869	79 52 6,3	10,857	115
39097	Aquila	9	11 5,32	2,869	79 52 4,6	10,858	303
39098	Cygnus	8	11 8,09	1,642	38 13 0,7	10,862	301
39099	Aquila	8	11 12,58	3,211	97 11 23,1	10,867	101
39100	Aquila	8	11 12,85	3,211	97 11 19,0	10,868	99
39101	Aquila	9	11 14,33	2,827	77 48 12,5	10,869	106
39102	Sagitta	6½	11 16,57	2,722	72 49 36,4	10,872	187
39103	Aquila	8½	11 18,09	3,071	90 2 56,2	10,874	97
39104	Aquila	8	11 22,01	3,194	96 18 15,2	10,879	99
39105	Cygnus	9	11 23,30	1,914	44 10 54,6	10,880	240
39106	Capricornus ..	8	11 26,48	3,651	117 21 46,0	10,884	180
39107	Capricornus ..	8	11 26,67	3,651	117 21 38,2	10,884	175
39108	Aquila	7½	11 27,46	3,049	88 57 10,8	10,885	95
39109	Vulpecula	8½	11 32,76	2,575	66 12 51,5	10,892	28
39110	Cygnus .....	.	11 32,77	1,968	45 32 57,1	10,892	11
39111	Cygnus	9	11 32,98	1,968	45 33 0,7	10,892	1
39112	Cygnus	7½	11 33,41	2,383	58 34 20,1	10,893	21
39113	Cygnus	8½	11 35,41	1,955	45 13 15,7	10,895	240
39114	Cygnus	8	11 36,06	1,955	45 13 14,6	10,896	11
39115	Cygnus	8	11 36,21	2,250	53 51 54,8	10,896	16
39116	Capricornus ..	8½	11 39,33	3,456	108 58 6,0	10,900	177
39117	Cygnus	7	11 39,94	2,445	60 53 36,6	10,901	239
39118	Vulpecula	8	11 40,25	2,579	66 23 39,7	10,901	28
39119	Cygnus	7	11 40,45	2,180	51 36 54,8	10,901	14
39120	Cygnus	6½	20 11 40,52	+2,445	60 53 39,5	-10,901	22

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			Ascension, Jan. 1, 1800.		Distance, Jan. 1, 1800.		
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39121	Aquila	9	20 11 43,73	+3,153	94 15 40,4	-10,905	183
39122	Aquila	8	11 44,98	2,827	77 46 48,2	10,907	106
39123	Aquila	8½	11 50,50	3,065	89 46 24,3	10,914	97
39124	Cygnus	9	11 52,54	1,707	39 27 56,2	10,916	359
39125	Capricornus ..	9	11 53,76	3,400	106 25 4,3	10,917	177
39126	Vulpecula	8	11 56,67	2,624	68 20 35,2	10,921	299
39127	Vulpecula	7½	11 56,87	2,624	68 20 47,4	10,921	30
39128	Aquila	9	11 56,96	3,015	87 12 6,5	10,921	190
39129	Cygnus	8½	11 58,79	2,056	47 53 27,6	10,924	238
39130	Aquila .....	.	11 59,11	2,780	75 31 8,4	10,924	103
39131	Aquila	7	12 0,01	3,186	95 53 49,6	10,925	99
39132	Aquila	8	12 3,07	2,868	79 47 58,8	10,929	115
39133	Aquila	8	12 3,65	2,865	79 37 57,7	10,930	109
39134	Aquila	8	12 3,84	2,865	79 38 3,1	10,930	303
39135	Capricornus ..	7	12 7,71	3,273	100 16 49,0	10,935	112
39136	Aquila	8	12 9,23	2,941	83 27 17,4	10,937	188
39137	Cygnus	9	12 9,64	1,806	41 34 35,2	10,937	388
39138	Sagitta	9	12 11,07	+2,723	72 49 12,2	10,939	187
39139	Draco.....	8	12 12,28	-2,747	10 54 30,4	10,940	361
39140	Capricornus ..	7½	12 14,84	+3,368	104 53 8,5	10,943	176
39141	Cygnus	7	12 18,75	2,240	53 29 25,0	10,948	16
39142	Cygnus	8	12 19,08	2,103	49 13 50,4	10,948	2
39143	Cygnus .....	.	12 19,31	2,103	49 13 48,9	10,949	13
39144	Cygnus	8	12 21,87	1,909	43 59 34,4	10,952	240
39145	Vulpecula	8	12 22,25	2,495	62 51 45,7	10,952	239
39146	Vulpecula	8	12 22,58	2,495	62 51 45,0	10,953	24
39147	Draco.....	8	12 23,95	2,744	10 54 23,6	10,954	365
39148	Capricornus ..	9	12 24,65	3,362	104 38 58,3	10,955	176
39149	Cygnus	7	12 24,75	1,922	44 17 50,4	10,955	240
39150	Aquila	7½	12 33,15	2,812	77 2 7,8	10,966	106
39151	Cygnus	7½	12 33,39	2,386	58 36 2,5	10,966	21
39152	Cygnus	8	12 33,89	2,048	47 37 29,1	10,967	238
39153	Capricornus ..	7½	12 34,42	3,627	116 27 50,1	10,967	175
39154	Capricornus ..	9	12 36,19	3,538	112 40 50,5	10,969	174
39155	Aquila	8	12 38,22	3,157	94 26 29,5	10,972	183
39156	Cygnus .....	.	12 41,60	2,113	49 29 4,0	10,976	13
39157	Cygnus	7½	12 41,68	2,113	49 29 8,4	10,976	2
39158	Cygnus	8½	12 41,81	1,675	38 45 16,0	10,976	301
39159	Vulpecula	8½	12 44,42	2,607	67 31 25,3	10,979	299
39160	Capricornus ..	8½	20 12 45,90	+3,293	101 18 4,9	-10,981	114

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39161	Cygnus	7½	20 12 47.06	+2,031	47 8 1.5	-10,983	238
39162	Cygnus	8½	12 49.34	2,612	67 46 40.2	10,985	299
39163	Cygnus	8	12 52.94	1,967	45 24 34.6	10,990	1
39164	Cygnus	7	12 53.31	1,967	45 24 34.1	10,990	11
39165	Cygnus	•	12 53.67	2,098	49 1 13.4	10,991	13
39166	Cygnus	9	12 54.53	2,098	49 1 21.9	10,992	2
39167	Capricornus ..	8	12 58.00	3,570	114 6 24.8	10,996	174
39168	Cygnus	6	13 0.32	2,171	51 13 15.6	10,999	14
39169	Delphinus	8½	13 0.55	2,785	75 43 0.3	10,999	103
39170	Capricornus ..	7½	13 3.31	3,364	104 44 40.6	11,002	176
39171*	Aquila	8	13 4.89	2,915	82 6 26.5	11,004	102
39172	Capricornus ..	9	13 8.77	3,425	107 38 38.0	11,009	177
39173	Capricornus ..	7	13 10.17	3,697	119 17 51.4	11,011	180
39174	Cygnus	8	13 12.37	2,435	60 25 19.2	11,014	22
39175	Aquila	8½	13 13.82	2,909	81 49 20.8	11,016	102
39176	Aquila	6½	13 16.02	2,978	85 17 12.6	11,018	190
39177	Cygnus	8	13 16.41	1,962	45 15 37.2	11,018	1
39178	Cygnus	8	13 17.33	1,962	45 15 34.7	11,020	11
39179	Delphinus	8½	13 20.22	2,818	77 17 15.9	11,023	106
39180	Vulpecula	8½	13 22.49	2,615	67 50 39.1	11,026	299
39181	Cygnus	7.	13 23.51	2,426	60 2 19.7	11,027	22
39182	Aquila	9	13 24.08	2,916	82 10 20.4	11,028	102
39183	Delphinus	9	13 25.22	2,818	77 17 43.9	11,029	106
39184	Cygnus	8	13 26.40	1,673	38 38 45.7	11,031	302
39185	Vulpecula	5½	13 27.30	2,577	66 11 0.4	11,032	28
39186	Capricornus ..	7½	13 30.72	3,478	110 4 7.3	11,036	173
39187	Capricornus ..	7½	13 31.07	3,478	110 4 9.1	11,036	178
39188	Delphinus	7	13 32.53	2,793	76 4 45.6	11,038	103
39189	Cygnus	7	13 34.88	1,905	43 47 17.5	11,041	240
39190	Cygnus	8½	13 35.94	2,380	58 18 58.6	11,042	21
39191	Delphinus	8	13 38.28	2,886	80 39 48.3	11,045	303
39192	Aquila	8	13 39.29	3,072	90 6 40.4	11,046	97
39193	Cygnus	8½	13 40.95	2,377	58 10 27.4	11,048	21
39194	Vulpecula	8	13 42.23	2,532	64 17 22.5	11,050	26
39195	Delphinus	8	13 42.76	2,864	79 32 44.7	11,050	109
39196	Delphinus	7½	13 42.84	2,864	79 32 51.7	11,051	303
39197	Delphinus	8	13 43.04	2,864	79 32 42.7	11,051	115
39198	Cygnus	8	13 43.80	2,021	46 46 24.3	11,052	1
39199	Cygnus	8	13 49.48	2,185	51 35 45.6	11,059	14
39200	Capricornus ..	9	20 13 49.70	+3,527	112 17 58.4	-11,059	179

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39201	Delphinus	7	20 13 50.75	+2,878	80 16 14.8	-11,060	109
39202	Delphinus	6	13 50.84	2,878	80 16 12.6	11,060	303
39203	Vulpecula	8½	13 51.87	2,471	61 47 25.9	11,062	239
39204	Vulpecula	8½	13 52.51	2,471	61 47 25.0	11,062	24
39205	Capricornus ..	7	13 55.03	3,254	99 24 14.1	11,065	112
39206	Cygnus	8½	13 58.00	1,795	41 11 14.6	11,069	388
39207	Aquila	8½	14 0.25	3,231	98 14 36.1	11,072	236
39208	Aquila	7	14 1.90	3,091	91 5 0.2	11,074	99
39209	Vulpecula	8	14 2.75	2,586	66 33 7.5	11,075	28
39210	Capricornus ..	8½	14 4.85	3,378	105 27 18.6	11,077	176
39211	Vulpecula	7	14 4.92	2,534	64 19 59.3	11,077	26
39212	Vulpecula	8½	14 6.54	2,465	61 32 40.5	11,080	24
39213	Vulpecula	8½	14 6.70	2,465	61 32 35.5	11,080	239
39214	Capricornus ..	8	14 6.83	3,314	102 20 30.6	11,080	114
39215	Aquila	8½	14 7.74	+3,171	95 13 8.1	11,081	183
39216	Draco	9½	14 10.36	-3,314	9 54 14.8	11,084	365
39217	Cygnus	8½	14 12.53	+2,040	47 15 11.2	11,087	238
39218	Capricornus ..	8½	14 17.76	3,603	115 35 3.2	11,093	175
39219	Aquila	8	14 19.43	+3,103	91 42 3.8	11,095	99
39220	Draco	9	14 21.85	-1,283	14 21 26.7	11,098	361
39221	Capricornus ..	9	14 25.42	+3,456	109 7 21.0	11,102	177
39222	Aquila	5	14 25.81	3,061	89 34 2.9	11,103	95
39223	Aquila	6	14 25.83	3,055	89 16 1.0	11,103	97
39224	Aquila	6½	14 26.02	3,061	89 34 7.8	11,103	189
39225	Vulpecula	7½	14 27.27	2,582	66 20 57.1	11,105	28
39226	Cygnus	9	14 27.53	2,033	47 2 33.1	11,105	1
39227	Cygnus	8½	14 27.56	2,033	47 2 55.2	11,105	11
39228	Aquila	6	14 31.44	3,061	89 34 2.7	11,110	97
39229	Aquila	7	14 31.53	3,055	89 16 2.2	11,110	189
39230	Aquila	6	14 31.71	3,055	89 15 55.1	11,110	95
39231	Vulpecula	7½	14 34.24	2,588	66 35 40.4	11,113	28
39232	Cygnus	6	14 35.00	+2,410	59 21 58.3	11,114	22
39233	Cepheus	7½	14 35.91	-1,839	12 46 41.2	11,115	361
39234	Cepheus	7	14 37.40	-1,839	12 46 38.6	11,117	361
39235	Cepheus	8	14 37.73	-1,839	12 46 36.2	11,117	351
39236	Aquila	7½	14 38.41	+2,975	85 7 37.2	11,118	188
39237	Aquila	8	14 38.59	2,975	85 7 38.9	11,119	190
39238	Delphinus	8	14 40.72	2,862	79 24 42.1	11,121	115
39239	Delphinus	7	14 42.09	2,763	74 35 18.2	11,123	93
39240	Aquila	8½	20 14 42.82	+3,004	86 39 8.5	-11,123	190

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39241	Cygnus	7	20 14 44.53	+2,403	59 5 5.9	-11,126	22
39242	Capricornus ..	.	14 45.81	3,375	105 20 43.0	11,127	176
39243	Cygnus	7½	14 49.13	2,217	52 31 59.0	11,131	14
39244	Cygnus	7½	14 49.66	2,311	55 38 37.4	11,132	19
39245	Capricornus ..	8	14 50.06	3,470	109 47 34.6	11,132	178
39246	Capricornus ..	8	14 50.13	3,470	109 47 32.7	11,132	173
39247	Capricornus ..	8	14 50.18	3,381	105 37 13.1	11,132	176
39248	Capricornus ..	8	14 50.19	3,381	105 37 17.0	11,133	177
39249	Capricornus ..	9½	14 55.32	3,453	109 2 25.2	11,139	177
39250	Delphinus	7	14 55.39	2,914	82 2 22.5	11,139	102
39251	Cygnus	6	14 57.13	2,120	49 29 57.8	11,141	13
39252	Delphinus	8½	14 57.79	2,826	77 37 33.7	11,142	106
39253	Cygnus	6½	14 58.71	2,120	49 30 2.0	11,143	2
39254	Aquila	8	14 58.80	2,953	84 0 28.6	11,143	188
39255	Aquila	9	14 58.82	3,004	86 37 34.4	11,143	190
39256	Capricornus ..	9	15 2.23	3,251	99 15 10.1	11,147	112
39257	Cygnus γ	.	15 3.03	2,149	50 22 27.9	11,148	295
39258	Vulpecula	8½	15 3.60	2,474	61 49 51.6	11,149	239
39259	Capricornus ..	9	15 11.52	3,506	111 26 50.3	11,158	179
39260	Cygnus	6	15 13.41	1,597	37 2 4.7	11,161	302
39261	Capricornus ..	8½	15 14.95	3,323	102 51 28.2	11,162	114
39262	Cygnus	8	15 17.53	2,405	59 7 31.7	11,166	22
39263	Aquila	8	15 17.76	+2,936	83 9 46.5	11,166	102
39264	Cepheus.....	4½	15 19.05	-1,782	12 53 50.1	11,168	351
39265	Aquila	7½	15 19.58	+3,112	92 10 30.5	11,168	99
39266	Cepheus.... κ	4½	15 19.96	-1,782	12 53 50.9	11,169	351
39267	Cepheus.... κ	5	15 19.99	-1,782	12 53 48.8	11,169	361
39268	Cepheus.... κ	5	15 20.87	-1,781	12 53 54.1	11,170	361
39269	Cygnus	8	15 21.12	+2,238	53 11 46.0	11,170	16
39270	Delphinus	7½	15 23.30	2,761	74 29 36.6	11,173	93
39271	Aquila	8	15 31.34	3,157	94 30 20.7	11,183	183
39272	Aquila	8½	15 31.55	3,197	96 31 18.1	11,183	99
39273	Cygnus	6	15 33.48	1,953	44 50 31.4	11,185	1
39274	Cygnus	6	15 34.28	1,953	44 50 25.9	11,186	240
39275	Vulpecula	8½	15 35.03	2,475	61 49 53.1	11,187	24
39276	Aquila	7½	15 35.13	2,953	83 59 53.3	11,187	188
39277	Delphinus	8	15 37.86	2,819	77 15 7.4	11,190	103
39278	Delphinus	8	15 37.93	2,819	77 15 18.8	11,191	106
39279	Cygnus	5½	15 38.63	2,125	49 36 20.5	11,191	13
39280	Delphinus	8	20 15 38.94	+2,929	82 45 53.5	-11,192	102

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39281	Cygnus	20 15 39,51	+2,185	51 25 32,4	-11,192	14
39282	Cygnus	6	15 39,76	2,125	49 36 27,6	11,193	2
39283	Cygnus	8	15 40,05	2,402	58 57 35,3	11,193	22
39284	Cygnus	8	15 41,33	1,661	38 13 17,7	11,195	302
39285	Capricornus ..	8	15 41,92	3,682	118 54 25,2	11,195	180
39286	Aquila	7½	15 43,64	3,202	96 47 57,8	11,197	99
39287	Vulpecula	7	15 48,07	2,584	66 21 37,4	11,203	28
39288	Capricornus π	6	15 51,02	3,448	108 51 22,3	11,206	178
39289	Capricornus π	.	15 51,38	3,448	108 51 22,3	11,207	172
39290	Capricornus π	6	15 51,43	3,448	108 51 17,0	11,207	173
39291	Capricornus π	5½	15 51,70	3,448	108 51 18,8	11,207	177
39292	Cygnus	5½	15 52,78	2,389	58 26 49,5	11,208	21
39293	Vulpecula	7½	15 53,88	2,471	61 38 21,2	11,210	239
39294	Vulpecula	7	15 54,05	2,471	61 38 17,7	11,210	24
39295	Cygnus	8	15 57,27	2,068	47 55 0,3	11,214	238
39296	Cygnus	7½	15 57,60	2,134	49 50 7,6	11,214	13
39297	Capricornus ..	9½	15 59,27	3,255	100 30 40,3	11,216	112
39298	Capricornus ..	8½	16 0,50	3,236	98 32 18,7	11,218	236
39299	Capricornus ..	7	16 1,00	3,617	116 15 14,2	11,218	175
39300	Cygnus	7	16 1,65	2,059	47 39 24,6	11,219	2
39301	Cygnus	6½	16 1,98	2,059	47 39 16,0	11,220	238
39302	Cygnus	7½	16 2,59	2,135	49 52 37,5	11,220	13
39303	Capricornus ..	8½	16 5,53	3,350	104 11 49,0	11,224	176
39304	Delphinus	7	16 6,51	2,886	80 34 58,4	11,225	115
39305	Vulpecula	8	16 6,60	2,546	64 43 21,7	11,225	26
39306	Cygnus	8½	16 6,71	1,671	38 23 39,8	11,225	302
39307	Delphinus	6	16 6,80	2,886	80 35 4,7	11,225	303
39308	Delphinus	6½	16 6,87	2,886	80 35 1,3	11,225	109
39309	Capricornus ..	8½	16 7,94	3,309	102 11 24,2	11,227	114
39310	Capricornus ..	9	16 8,51	3,349	104 7 41,6	11,227	176
39311	Cygnus	8	16 9,93	2,059	47 38 30,9	11,229	238
39312	Aquila	6½	16 10,28	3,025	87 41 9,8	11,230	95
39313	Cygnus	5½	16 15,59	2,240	53 9 42,4	11,236	16
39314	Cygnus	7	16 15,86	2,253	53 36 45,9	11,236	16
39315	Vulpecula	6½	16 19,83	2,542	64 30 47,3	11,241	26
39316	Capricornus ..	8½	16 20,37	3,555	113 39 38,7	11,242	174
39317	Delphinus	7½	16 20,91	2,648	69 9 7,2	11,242	299
39318	Capricornus ..	8½	16 21,06	3,532	112 39 59,2	11,243	174
39319	Cygnus	8½	16 21,80	1,754	40 5 37,7	11,243	359
39320	Vulpecula	8	20 16 27,69	+2,484	62 6 53,5	-11,250	237

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39321	Vulpecula	8	20 16 28,00	+2,484	62 6 56,9	-11,251	24
39322	Aquila	7½	16 32,61	3,045	88 43 38,1	11,256	95
39323	Capricornus ..	9	16 35,26	3,231	98 17 2,7	11,260	236
39324	Capricornus ..	7	16 35,35	3,581	114 48 24,5	11,260	174
39325	Cygnus	9	16 36,04	1,963	44 59 57,8	11,261	240
39326	Delphinus	7½	16 39,43	2,809	76 43 47,2	11,265	103
39327	Delphinus	8	16 41,66	2,788	75 42 4,6	11,268	103
39328	Aquila	7½	16 42,30	3,124	92 49 53,8	11,268	99
39329	Delphinus	6	16 49,70	2,650	69 13 58,4	11,268	30
39330	Delphinus	6½	16 49,83	2,650	69 14 0,3	11,277	299
39331	Cygnus	9	17 1,02	1,835	41 50 34,3	11,291	388
39332	Aquila	8½	17 1,09	3,148	94 2 30,0	11,291	183
39333	Aquila	7	17 4,06	3,112	92 12 6,9	11,294	99
39334	Aquila	8	17 4,27	3,123	92 45 45,3	11,295	99
39335	Aquila	7	17 4,77	3,123	92 44 45,3	11,295	99
39336	Cygnus	8	17 5,99	2,384	58 10 21,6	11,297	21
39337	Aquila	7	17 8,84	3,192	96 18 1,7	11,300	99
39338	Aquila	7½	17 9,75	3,212	97 19 16,4	11,301	236
39339	Delphinus	9	17 12,07	2,859	79 11 12,6	11,304	109
39340	Cygnus	8½	17 13,08	1,930	44 6 42,6	11,305	240
39341	Aquila	8	17 13,83	3,074	90 12 9,9	11,306	97
39342	Delphinus	7½	17 14,81	2,739	73 19 44,8	11,307	187
39343	Delphinus	7	17 15,18	2,739	73 19 51,0	11,308	93
39344	Delphinus	9	17 16,56	2,842	78 22 23,8	11,309	106
39345	Capricornus ..	9	17 17,08	3,341	103 48 14,7	11,310	176
39346	Cygnus	8½	17 17,92	1,939	44 20 22,9	11,311	240
39347	Capricornus ..	9	17 18,58	3,341	103 48 9,7	11,312	176
39348	Cygnus	9	17 20,42	1,940	44 21 24,9	11,314	240
39349	Delphinus	8	17 20,50	2,906	81 33 16,6	11,314	102
39350	Cygnus	7½	17 21,75	3,506	111 33 0,5	11,316	174
39351	Cygnus	7½	17 21,79	3,506	111 33 10,5	11,316	179
39352	Cygnus	7	17 22,04	3,576	114 37 49,4	11,316	174
39353	Delphinus	8	17 23,48	2,838	78 10 10,4	11,318	106
39354	Cygnus	8	17 25,33	2,001	45 56 38,2	11,320	11
39355	Capricornus ♀	6	17 26,43	3,438	108 27 46,1	11,321	172
39356	Capricornus ♀	6	17 26,50	3,438	108 27 45,9	11,321	177
39357	Capricornus ..	7½	17 26,57	3,394	106 23 29,3	11,322	177
39358	Aquila	8	17 26,71	3,227	98 7 34,9	11,322	236
39359	Vulpecula	8½	17 27,84	2,546	64 36 28,8	11,323	26
39360	Capricornus ..	9	20 17 30,49	+3,656	117 57 55,3	-11,326	180

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39361	Capricornus ..	7	20 17 32,01	+3,313	102 26 38,7	-11,328	114
39362	Delphinus	8½	17 32,59	+2,861	79 17 34,6	11,329	109
39363	Draco.....	9	17 33,80	-0,987	15 13 0,4	11,330	361
39364	Capricornus ..	7½	17 34,46	+3,439	108 31 16,2	11,331	177
39365	Capricornus ..	7½	17 34,67	3,439	108 31 12,5	11,331	172
39366	Capricornus ..	7	17 35,04	3,265	100 1 11,8	11,332	112
39367	Capricornus ..	7	17 35,09	3,430	108 5 8,5	11,332	177
39368	Cygnus	7½	17 35,37	2,160	50 29 22,4	11,332	13
39369	Cygnus	9½	17 38,56	1,748	39 50 47,1	11,336	359
39370	Delphinus	9	17 40,13	2,747	73 42 27,4	11,338	93
39371	Capricornus ..	6	17 45,91	3,539	113 2 36,0	11,345	179
39372	Capricornus ..	7½	17 47,49	3,312	102 22 31,2	11,347	114
39373	Capricornus ..	8	17 51,25	3,549	113 29 55,4	11,351	174
39374	Aquila	9	17 52,68	3,151	94 12 11,1	11,353	183
39375	Aquila	6	17 56,07	3,147	94 0 27,5	11,357	183
39376	Cygnus	8	18 2,87	2,103	47 52 23,6	11,365	238
39377	Aquila	8	18 4,05	3,042	88 32 54,0	11,367	95
39378	Delphinus	9	18 4,68	2,701	71 30 34,3	11,367	187
39379	Delphinus	8	18 4,89	2,949	83 45 58,9	11,368	188
39380	Delphinus	8	18 5,30	2,752	73 56 7,5	11,368	93
39381	Capricornus ..	8½	18 6,29	3,299	101 44 16,6	11,369	114
39382	Capricornus ..	8	18 13,83	3,301	101 52 25,0	11,378	114
39383	Aquila	8	18 15,46	3,036	88 15 24,2	11,381	95
39384	Delphinus	8	18 17,67	2,889	80 41 28,5	11,383	115
39385	Cygnus	8	18 19,91	1,666	38 6 40,0	11,386	302
39386	Capricornus ..	9	18 20,22	3,228	98 9 46,8	11,386	236
39387	Cygnus	8	18 21,71	2,294	54 50 6,1	11,388	16
39388	Capricornus ..	9	18 21,76	3,541	113 9 36,8	11,388	179
39389	Delphinus	6	18 23,28	2,919	82 12 54,3	11,390	102
39390	Capricornus ..	8	18 23,56	3,454	109 14 14,2	11,390	178
39391	Aquila	7	18 23,94	3,065	89 46 6,5	11,391	97
39392	Aquila	8	18 23,96	3,065	89 46 2,8	11,391	189
39393	Cygnus	7½	18 25,03	2,106	48 44 8,0	11,392	2
39394	Capricornus ..	7	18 25,05	3,454	109 14 1,2	11,392	178
39395	Capricornus ..	8	18 26,02	3,328	103 14 49,7	11,393	176
39396	Cygnus	8½	18 26,09	1,845	41 57 7,3	11,393	388
39397	Aquila	7	18 26,62	3,115	92 23 4,8	11,394	99
39398	Cygnus	7	18 27,73	2,080	48 2 34,7	11,395	238
39399	Cygnus	7½	18 28,31	2,080	48 2 37,4	11,396	2
39400	Cygnus	9	20 18 28,77	+1,948	44 26 52,6	-11,396	240

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39401	Delphinus	8½	20 18 31,87	+2,789	75 42 20,8	-11,400	103
39402	Vulpecula	9	18 37,77	2,559	65 5 40,8	11,407	26
39403	Aquila	7	18 40,30	3,026	87 44 37,8	11,410	95
39404	Vulpecula	7	18 40,76	2,600	66 51 34,5	11,411	28
39405	Vulpecula	8½	18 40,84	2,602	66 59 4,6	11,411	28
39406	Vulpecula	8½	18 41,26	2,560	65 9 31,8	11,411	26
39407	Capricornus ..	9	18 41,81	3,277	100 39 16,6	11,412	112
39408	Cygnus	7½	18 48,76	2,442	60 16 46,1	11,420	22
39409	Vulpecula	8	18 49,10	2,635	68 24 41,7	11,421	299
39410	Vulpecula	8	18 49,38	2,635	68 24 48,1	11,421	30
39411	Delphinus	7½	18 50,40	2,923	82 23 36,4	11,422	102
39412	Cygnus	7½	18 51,07	2,155	50 14 44,4	11,423	13
39413	Cygnus	8½	18 52,17	2,299	54 57 52,0	11,425	16
39414	Cygnus	8	18 54,97	2,437	60 4 24,6	11,428	22
39415	Delphinus	8	18 55,52	2,855	78 55 56,9	11,429	106
39416	Cygnus	9½	18 58,97	1,762	40 2 28,5	11,433	359
39417	Cygnus	8½	18 59,86	2,079	47 57 40,4	11,434	238
39418	Delphinus	8	19 3,14	2,869	79 40 1,6	11,438	109
39419	Capricornus ..	8	19 3,86	3,499	111 21 55,2	11,439	174
39420	Capricornus ..	8	19 9,79	3,337	103 41 3,5	11,446	176
39421	Cygnus	8	19 10,38	1,653	37 47 5,4	11,446	302
39422	Aquila	5	19 11,75	3,138	93 32 24,0	11,448	183
39423	Aquila	7½	19 12,20	2,997	86 11 59,1	11,449	190
39424	Capricornus ..	8½	19 14,83	3,664	118 24 30,8	11,452	180
39425	Capricornus ..	8	19 18,96	3,416	107 12 25,3	11,456	177
39426	Cygnus	6	19 19,02	2,338	56 19 25,7	11,457	19
39427	Capricornus ..	8½	19 19,24	3,413	107 12 20,2	11,457	177
39428	Delphinus	7½	19 20,73	2,882	80 19 20,0	11,459	109
39429	Capricornus ..	8½	19 21,00	3,312	102 27 21,0	11,459	114
39430	Cygnus	9	19 21,95	1,982	45 15 5,3	11,460	11
39431	Vulpecula	8	19 23,85	2,638	68 30 37,9	11,463	30
39432	Vulpecula	7½	19 24,07	2,638	68 30 36,7	11,463	299
39433	Capricornus ..	9	19 29,58	3,531	112 49 1,5	11,469	174
39434	Cygnus	6	19 30,89	2,159	50 18 12,1	11,471	13
39435	Capricornus ..	9	19 31,59	3,531	112 49 29,7	11,472	174
39436	Cygnus	8	19 33,45	1,982	45 14 15,2	11,474	11
39437	Cygnus	9	19 33,51	1,982	45 14 13,9	11,474	1
39438	Capricornus ..	8	19 35,06	3,671	118 44 2,9	11,476	180
39439	Cygnus	8½	19 40,73	1,881	42 40 51,2	11,483	388
39440	Delphinus	7½	20 19 41,36	+2,836	77 58 26,1	-11,483	106

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39441	Vulpecula	8	20 19 46,64	+2,572	65 34 57,4	-11,490	28
39442	Vulpecula	8	19 47,86	2,547	64 30 18,4	11,491	26
39443	Delphinus	8	19 48,18	2,891	80 45 24,0	11,492	115
39444	Vulpecula	9	19 48,56	2,640	68 36 24,7	11,492	299
39445	Cygnus	8½	19 49,71	2,450	60 31 11,8	11,493	22
39446	Delphinus	7½	19 50,67	2,764	74 24 4,5	11,495	93
39447	Capricornus ..	9	19 52,62	3,348	104 14 38,0	11,497	176
39448	Capricornus ..	7½	19 53,73	3,593	115 31 59,7	11,498	175
39449	Delphinus	8	19 56,57	2,763	74 22 49,4	11,502	93
39450	Capricornus ..	8½	19 58,36	3,441	108 44 46,9	11,504	177
39451	Vulpecula	8½	19 58,57	2,639	68 32 33,6	11,504	299
39452	Capricornus ..	7½	20 1,74	3,276	100 41 26,3	11,508	112
39453	Aquarius	9	20 3,67	3,237	98 42 37,1	11,510	236
39454	Delphinus	9	20 5,02	+2,981	85 23 0,4	11,512	190
39455	Draco.....	10	20 5,30	-1,068	14 49 27,9	11,512	361
39456	Cygnus	6	20 10,29	+2,221	52 12 30,8	11,518	14
39457	Vulpecula	8	20 10,56	2,641	68 37 10,6	11,518	299
39458	Cygnus	7½	20 12,65	2,352	56 46 4,6	11,521	19
39459	Cygnus	7	20 13,14	2,352	56 45 58,3	11,521	21
39460	Cygnus	8	20 16,69	2,480	61 41 54,8	11,526	239
39461	Vulpecula	8	20 17,52	2,491	62 7 52,0	11,527	24
39462	Delphinus	7	20 18,24	2,884	80 21 15,4	11,527	109
39463	Vulpecula	9	20 18,54	2,643	68 42 40,7	11,528	299
39464	Cygnus	7½	20 19,83	2,067	47 30 25,5	11,529	238
39465	Cygnus	9	20 19,96	2,034	46 34 32,9	11,529	1
39466	Vulpecula	8	20 20,02	2,491	62 7 55,4	11,529	239
39467	Cygnus	8	20 20,18	2,067	47 30 23,7	11,530	2
39468	Cygnus	8	20 20,53	1,645	37 31 26,1	11,530	302
39469	Vulpecula	8	20 20,55	2,485	61 52 47,6	11,530	24
39470	Delphinus	9	20 21,69	2,830	77 39 5,3	11,532	106
39471	Capricornus ..	8	20 23,24	3,592	115 31 53,4	11,533	174
39472	Cygnus	8	20 23,75	2,076	47 44 22,6	11,534	238
39473	Capricornus ..	8	20 29,67	3,530	112 49 5,9	11,541	179
39474	Cygnus	8½	20 30,25	2,301	54 54 32,0	11,542	16
39475	Delphinus	8	20 32,27	2,889	80 37 26,4	11,544	109
39476	Cygnus	9	20 33,60	1,975	44 58 9,4	11,546	241
39477	Cygnus	9	20 34,92	1,982	45 8 27,6	11,547	241
39478	Cygnus	8	20 35,02	2,106	48 37 9,5	11,548	2
39479	Delphinus	9	20 38,50	2,832	77 43 7,3	11,552	106
39480	Delphinus	8½	20 20 39,60	+2,902	81 16 50,6	-11,553	102

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39481	Cygnus	8	20 20 40,51	+2,071	47 35 55,4	-11,554	238
39482	Vulpecula	8	20 41,13	2,485	61 52 46,8	11,555	239
39483	Vulpecula	8	20 42,02	2,493	62 11 45,8	11,556	24
39484	Aquila	9	20 42,13	3,132	93 15 3,7	11,556	183
39485	Delphinus	6	20 43,45	2,872	79 45 52,0	11,558	109
39486	Capricornus ..	8	20 44,07	3,351	104 26 14,6	11,558	176
39487	Cygnus	8½	20 46,28	1,887	42 43 49,5	11,561	388
39488	Vulpecula	8	20 46,50	2,496	62 18 1,8	11,561	24
39489	Vulpecula	7½	20 47,17	2,573	65 35 2,9	11,562	28
39490	Cygnus	9	20 48,91	1,746	39 32 44,6	11,564	359
39491	Cygnus	7½	20 53,64	2,155	50 3 39,1	11,570	13
39492	Cygnus .. w¹	7	20 55,50	1,825	41 16 23,4	11,572	359
39493	Capricornus ..	7	20 56,59	3,593	115 36 24,1	11,573	174
39494	Capricornus ..	6	20 56,71	3,593	115 36 20,4	11,573	175
39495	Vulpecula ....	.	21 1,95	2,530	63 43 11,9	11,580	26
39496	Cygnus .....	.	21 5,36	2,196	51 19 47,3	11,584	14
39497	Delphinus ....	.	21 5,90	2,694	70 59 36,2	11,584	32
39498	Delphinus	8½	21 10,56	2,814	76 50 32,7	11,590	103
39499	Capricornus ..	8	21 11,15	3,409	107 16 24,1	11,590	172
39500	Capricornus ..	8	21 11,17	3,409	107 16 27,2	11,590	177
39501	Capricornus ..	8	21 11,20	3,409	107 16 26,0	11,590	177
39502	Cygnus	5	21 13,35	2,447	60 17 26,8	11,594	22
39503	Cygnus	8	21 14,35	1,666	37 51 18,2	11,594	302
39504	Vulpecula	8½	21 14,51	2,647	68 50 28,7	11,594	299
39505	Cygnus	4	21 14,62	2,447	60 17 29,5	11,595	242
39506	Delphinus ....	.	21 14,88	2,699	71 14 36,4	11,595	32
39507	Delphinus	8½	21 17,03	2,799	76 4 29,1	11,598	103
39508	Delphinus	7	21 18,51	2,884	80 21 15,7	11,599	115
39509	Aquila	7½	21 19,65	3,190	96 16 5,9	11,601	99
39510	Cygnus	7½	21 22,70	2,146	49 45 19,5	11,604	13
39511	Delphinus	9	21 23,37	2,961	84 18 27,0	11,605	188
39512	Cygnus	8	21 24,76	2,301	54 49 34,4	11,607	16
39513	Capricornus ..	5½	21 26,64	3,272	100 31 21,0	11,609	112
39514	Aquila	8½	21 26,91	3,148	94 6 20,7	11,609	183
39515	Cygnus	8	21 27,55	2,110	48 38 56,1	11,610	2
39516	Aquila	6	21 29,74	3,183	95 54 32,7	11,613	99
39517	Cygnus	5	21 31,42	1,454	34 0 57,0	11,614	303
39518	Capricornus ..	8½	21 37,54	3,349	104 22 22,0	11,622	176
39519	Aquila	7½	21 38,59	3,085	90 49 8,8	11,623	97
39520	Aquila	8	20 21 38,78	+3,085	90 49 8,0	-11,623	189

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39521	Delphinus	8½	20 21 39.42	+2,867	79 29 12.0	-11,624	109
39522	Delphinus	8	21 40.62	2,867	79 29 10.0	11,625	109
39523	Capricornus ..	8½	21 42.50	3,346	104 12 33.3	11,628	173
39524	Cygnus	6	21 42.83	2,284	54 12 21.7	11,628	16
39525	Aquila	8	21 43.99	2,998	86 14 56.4	11,629	190
39526	Delphinus	7½	21 45.82	2,912	81 44 41.0	11,632	102
39527	Capricornus ..	8½	21 47.14	3,396	106 41 40.7	11,633	177
39528	Cygnus	8½	21 47.90	1,657	37 37 44.9	11,634	302
39529	Capricornus ..	8	21 48.12	3,530	112 53 47.3	11,635	179
39530	Cygnus	8	21 49.48	2,443	60 6 13.3	11,636	22
39531	Delphinus	7½	21 52.31	2,749	73 35 18.5	11,639	94
39532	Aquila	9	21 57.04	3,253	99 33 36.3	11,645	112
39533	Capricornus ..	9	21 57.08	3,585	115 19 53.5	11,645	175
39534	Aquila	9	22 2.01	+3,020	87 22 24.3	11,651	190
39535	Draco.....	9½	22 2.63	-1,028	14 52 39.5	11,652	361
39536	Delphinus	8½	22 4.45	+2,823	77 12 38.9	11,654	106
39537	Cygnus	8	22 5.46	2,003	45 34 46.2	11,655	11
39538	Delphinus	•	22 6.82	2,700	71 13 51.0	11,657	32
39539	Aquarius	8	22 6.91	3,234	98 35 44.1	11,657	236
39540	Aquila	6½	22 10.53	3,040	88 26 54.0	11,661	95
39541	Capricornus ..	8½	22 11.06	3,255	99 41 2.0	11,662	112
39542	Aquila	6	22 12.55	3,042	88 31 56.1	11,664	95
39543	Cygnus	8	22 12.63	1,979	44 56 21.8	11,664	241
39544	Cygnus	9	22 13.94	2,103	48 22 49.7	11,665	238
39545	Delphinus	8	22 14.28	+2,891	80 39 50.8	11,666	115
39546	Cepheus.....	8½	22 14.76	-1,793	12 36 37.0	11,666	361
39547	Cepheus.....	9	22 15.86	-1,793	12 36 36.6	11,668	351
39548	Aquila	8	22 15.97	+3,181	95 50 20.2	11,668	99
39549	Cygnus	8½	22 16.83	2,282	54 5 37.2	11,669	16
39550	Aquila	8	22 19.97	3,110	92 7 37.5	11,672	99
39551	Cygnus	8	22 20.17	1,851	41 44 28.4	11,673	388
39552	Aquila	8	22 21.44	3,036	88 14 14.5	11,674	95
39553	Delphinus	8½	22 23.20	+2,931	82 44 39.6	11,676	102
39554	Draco.....	8	22 25.76	-2,535	10 58 45.6	11,679	361
39555	Cygnus	9	22 26.98	+2,102	48 20 32.5	11,681	2
39556	Cygnus	8	22 27.27	2,102	48 20 27.7	11,681	238
39557	Delphinus	8½	22 28.33	3,004	86 31 12.6	11,682	190
39558	Vulpecula	7½	22 28.43	2,539	63 58 39.5	11,682	26
39559	Aquila	8½	22 30.98	3,037	88 18 17.5	11,685	95
39560	Delphinus	9	20 22 31.83	+2,958	84 9 3.3	-11,686	188

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39561	Cygnus	8½	20 22 32,15	+1,980	44 55 34,7	-11,687	241
39562	Delphinus	8	22 32,16	+2,890	80 37 25,6	11,687	115
39563	Draco.....	8	22 33,42	-2,536	10 58 24,6	11,688	351
39564	Vulpecula	•	22 36,58	+2,644	68 36 48,3	11,692	299
39565	Draco.....	7	22 37,25	-2,533	10 58 34,9	11,693	365
39566	Capricornus ..	8½	22 39,63	+3,645	117 54 6,5	11,696	180
39567	Capricornus ..	9	22 39,86	3,464	109 57 28,3	11,696	178
39568	Delphinus	7	22 41,50	2,751	73 40 30,8	11,698	94
39569	Vulpecula	8	22 41,69	2,647	68 45 13,4	11,698	30
39570	Vulpecula	7½	22 41,69	2,648	68 46 18,2	11,698	299
39571	Cygnus	8½	22 41,80	2,452	60 22 30,2	11,698	22
39572	Cygnus	8	22 44,12	1,837	41 23 42,8	11,701	388
39573	Capricornus ..	8½	22 47,83	3,308	102 23 20,3	11,706	114
39574	Aquila	8½	22 47,84	3,085	90 47 16,2	11,706	97
39575	Aquila	8	22 50,47	3,036	88 14 18,2	11,708	95
39576	Delphinus	8	22 50,67	2,891	80 39 22,6	11,709	115
39577	Capricornus ..	8	22 56,73	3,466	110 4 6,1	11,716	178
39578	Aquila	8½	22 57,26	3,146	94 1 33,0	11,717	183
39579	Capricornus ..	7	23 3,15	3,348	104 23 47,6	11,724	176
39580	Cygnus	9	23 3,18	2,066	47 13 48,3	11,724	238
39581	Cygnus	8½	23 5,92	2,028	46 10 35,3	11,727	11
39582	Capricornus ..	9	23 6,10	3,341	104 3 44,1	11,727	176
39583	Cygnus	•	23 6,88	2,028	46 10 39,8	11,728	1
39584	Aquarius	9	23 6,90	+3,250	99 26 16,4	11,728	112
39585	Draco.....	8	23 8,26	-2,979	10 10 3,5	11,730	365
39586	Cygnus	7	23 10,18	+2,159	49 59 58,8	11,732	13
39587	Delphinus	8	23 16,11	2,953	83 50 32,3	11,739	188
39588	Vulpecula	8	23 16,57	2,646	68 39 18,9	11,740	299
39589	Cygnus	7	23 16,66	2,165	50 9 25,9	11,740	13
39590	Vulpecula	8	23 16,69	2,646	68 39 14,0	11,740	30
39591	Cygnus	7	23 22,57	1,976	44 44 43,3	11,747	241
39592	Cygnus	9	23 23,34	1,787	40 12 6,6	11,747	359
39593	Cygnus	6½	23 23,39	2,274	53 43 51,2	11,747	16
39594	Vulpecula	6	23 25,02	2,561	64 51 45,8	11,749	28
39595	Vulpecula	5½	23 25,13	2,561	64 51 46,0	11,750	26
39596	Cygnus	6	23 25,77	2,274	53 43 54,8	11,750	242
39597	Cygnus	8	23 26,05	1,994	45 13 11,8	11,751	241
39598	Aquila	8	23 26,39	3,058	89 24 10,5	11,751	97
39599	Vulpecula	7½	23 30,41	2,572	65 19 1,3	11,756	28
39600	Cygnus	8	20 23 31,96	+2,454	60 24 32,8	-11,758	22

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39601	Delphinus	7	20	23	32.34	+2,757	73	54	9.1	-11,758	94
39602	Cygnus	7		23	33.32	2,381	57	34	4.5	11,759	21
39603	Capricornus ..	9		23	34.23	3,390	106	28	15.8	11,760	177
39604	Cygnus	8½		23	37.15	2,067	47	12	9.3	11,764	2
39605	Cygnus	8½		23	37.32	2,067	47	12	6.4	11,764	1
39606	Cygnus	7½		23	37.68	2,067	47	12	8.1	11,764	238
39607	Delphinus .. s	4		23	39.27	2,866	79	21	57.6	11,766	106
39608	Delphinus .. s	3		23	39.38	2,866	79	22	1.9	11,766	109
39609	Delphinus .. s	5		23	39.52	2,866	79	22	2.1	11,767	115
39610	Capricornus ..	9		23	40.70	3,557	114	12	42.5	11,768	174
39611	Aquarius	9½		23	41.04	3,253	99	37	40.0	11,768	112
39612	Cygnus	6½		23	45.68	2,349	56	20	8.0	11,774	19
39613	Cygnus	7½		23	47.41	2,037	46	21	7.1	11,776	11
39614	Cygnus	7½		23	47.43	2,037	46	21	7.5	11,776	1
39615	Cygnus	7		23	47.66	2,169	50	14	25.7	11,776	13
39616	Delphinus	8½		23	47.83	2,748	73	26	34.3	11,776	94
39617	Capricornus ..	7½		23	49.87	3,632	117	27	8.8	11,779	180
39618	Cygnus	5		23	51.51	1,855	41	42	55.4	11,781	388
39619	Cygnus	•		23	54.72	2,156	49	48	16.2	11,785	13
39620	Aquila	•		23	55.25	3,193	96	30	59.6	11,785	99
39621	Capricornus ..	8		23	56.91	3,575	115	3	6.0	11,787	174
39622	Aquarius	9		23	58.18	3,229	98	21	46.9	11,789	236
39623	Cygnus	8½		23	59.17	1,649	37	17	52.1	11,790	302
39624	Delphinus	8		23	59.32	2,745	73	19	18.0	11,790	94
39625	Delphinus	7		24	2.02	2,990	85	46	29.8	11,793	190
39626	Aquila	8½		24	2.43	3,201	96	56	33.8	11,794	99
39627	Vulpecula	8½		24	2.49	2,522	63	9	28.5	11,794	24
39628	Aquila	7		24	5.44	3,091	91	9	3.5	11,797	97
39629	Aquila	7½		24	5.51	3,091	91	9	9.1	11,797	99
39630	Aquila	7½		24	5.66	+3,091	91	9	7.9	11,797	189
39631	Draco.....	9½		24	6.17	-1,096	14	33	16.5	11,798	361
39632	Capricornus ..	6½		24	12.29	+3,404	107	12	5.7	11,805	177
39633	Capricornus ..	7		24	12.46	3,404	107	12	4.6	11,805	177
39634	Aquila	9		24	12.55	3,149	94	10	44.9	11,805	183
39635	Capricornus ..	7		24	12.57	3,404	107	12	3.8	11,806	172
39636	Capricornus ..	9		24	13.27	3,458	109	45	41.3	11,806	178
39637	Delphinus	7		24	15.38	2,891	80	36	51.7	11,809	109
39638	Aquila	7½		24	15.73	3,095	91	21	2.4	11,809	189
39639	Aquila	7		24	15.93	3,095	91	21	1.6	11,810	99
39640	Vulpecula	8	20	24	20.11	+2,644	68	31	21.5	-11,814	299

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39641	Capricornus ..	8½	20 24 20,35	+3,300	102 1 10,2	-11,815	114
39642	Delphinus	9	24 22,17	2,996	86 5 0,1	11,817	190
39643	Aquarius	•	24 23,97	3,254	99 40 50,9	11,819	112
39644	Vulpecula	7	24 24,52	2,530	63 27 35,9	11,820	26
39645	Delphinus	9	24 25,12	2,854	78 41 57,5	11,820	106
39646	Capricornus ..	•	24 25,35	3,332	103 38 3,6	11,821	176
39647	Aquarius	9½	24 25,49	3,255	99 45 2,1	11,821	112
39648	Delphinus	8½	24 27,07	2,851	78 34 22,0	11,822	106
39649	Cygnus	8½	24 29,19	1,950	43 58 43,1	11,825	241
39650	Delphinus	6	24 29,35	2,833	77 38 55,1	11,825	103
39651	Cygnus	•	24 29,99	2,113	48 28 0,0	11,826	238
39652	Capricornus ..	9	24 30,87	3,674	119 13 51,6	11,827	180
39653	Cygnus	9	24 34,88	1,966	44 22 18,5	11,832	241
39654	Vulpecula	8	24 38,08	2,627	67 41 22,4	11,836	30
39655	Delphinus	8	24 38,70	2,839	75 57 38,5	11,836	103
39656	Delphinus	7½	24 41,76	2,952	83 47 54,8	11,840	188
39657	Delphinus	9	24 42,36	2,667	69 34 8,1	11,841	32
39658	Cygnus	7	24 42,50	1,848	41 26 55,4	11,841	388
39659	Delphinus	8	24 43,04	2,887	80 24 33,2	11,841	109
39660	Delphinus	8	24 43,14	2,887	80 24 29,4	11,842	115
39661	Cygnus	7½	24 44,92	1,707	38 22 27,9	11,844	302
39662	Aquarius	8½	24 45,44	3,201	96 57 55,7	11,844	99
39663	Cygnus	•	24 45,77	1,706	38 21 27,5	11,845	303
39664	Aquila	8	24 45,94	3,187	96 12 7,3	11,845	99
39665	Capricornus ..	8	24 50,78	3,490	111 15 49,4	11,851	178
39666	Capricornus ..	8	24 51,43	3,490	111 15 52,6	11,851	179
39667	Cygnus	•	24 57,51	2,010	45 30 4,6	11,859	11
39668	Cygnus	8	24 59,52	2,422	59 0 52,3	11,861	21
39669	Vulpecula	•	25 4,34	2,563	64 50 18,2	11,866	26
39670	Vulpecula	•	25 4,35	2,562	64 47 55,1	11,866	26
39671	Capricornus ..	9	25 4,43	3,379	105 59 16,7	11,866	177
39672	Cygnus	7½	25 7,38	2,476	61 8 57,8	11,870	22
39673	Cygnus .. ω ³	8	25 8,01	1,849	41 27 17,3	11,871	388
39674	Vulpecula	8	25 8,32	2,600	66 28 21,8	11,871	28
39675	Aquarius	8	25 8,61	3,260	100 0 45,9	11,872	112
39676	Capricornus ..	7	25 13,72	3,320	103 3 43,7	11,877	176
39677	Capricornus ..	7	25 13,89	3,320	103 3 41,2	11,878	114
39678	Aquila	9	25 14,05	3,145	93 59 51,1	11,878	183
39679	Delphinus	9	25 14,85	2,751	73 32 12,7	11,879	94
39680	Delphinus	7	20 25 15,16	+2,892	80 36 54,5	-11,879	115

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39681	Delphinus	7½	20 25 15,25	+2,671	69 41 29,8	-11,879	32
39682	Vulpecula	8	25 20,30	2,516	62 48 1,6	11,885	239
39683	Cygnus	8	25 20,65	+2,210	51 24 9,0	11,886	14
39684	Draco.....	7	25 20,80	-2,974	10 6 22,7	11,886	365
39685	Vulpecula	8	25 21,48	+2,516	62 48 15,0	11,887	24
39686	Vulpecula	8	25 21,93	2,508	62 27 54,2	11,887	239
39687	Vulpecula ....	.	25 22,82	2,569	65 3 33,2	11,888	26
39688	Capricornus ..	9	25 23,77	3,488	111 14 44,2	11,889	178
39689	Capricornus ..	8½	25 24,44	3,488	111 14 50,2	11,890	179
39690	Aquila	7	25 30,79	3,082	90 40 46,8	11,898	97
39691	Aquila	8	25 30,82	3,082	90 40 49,5	11,898	189
39692	Cygnus	7½	25 31,60	2,391	57 46 0,7	11,899	21
39693	Delphinus	8	25 31,63	2,887	80 23 10,0	11,899	115
39694	Delphinus	8	25 31,84	2,887	80 23 17,8	11,899	109
39695	Cygnus	8½	25 36,95	2,473	60 59 26,3	11,905	22
39696	Cygnus	6	25 37,83	1,710	38 21 54,7	11,906	302
39697	Cygnus	5½	25 38,75	1,710	38 21 57,4	11,907	303
39698	Cygnus	9	25 39,14	1,837	41 7 48,9	11,907	359
39699	Delphinus	7½	25 39,24	+2,952	83 44 1,3	11,908	188
39700	Draco.....	9	25 39,38	-2,991	10 4 0,5	11,908	365
39701	Delphinus	8	25 40,51	+3,022	87 29 20,2	11,909	190
39702	Delphinus	7½	25 41,18	3,020	87 22 31,1	11,910	95
39703	Aquarius	8	25 42,09	3,257	99 52 10,0	11,911	112
39704	Cygnus	7½	25 48,16	2,128	48 48 9,0	11,918	238
39705	Cygnus	7	25 48,18	2,128	48 48 11,4	11,918	2
39706	Aquarius	8½	25 48,37	3,184	96 3 20,3	11,918	99
39707	Capricornus ..	8	25 48,83	3,573	115 3 21,5	11,919	174
39708	Capricornus ..	9	25 50,14	3,472	110 31 54,6	11,920	178
39709	Capricornus ..	8	25 51,10	3,326	103 25 1,1	11,922	176
39710	Capricornus ..	8	25 51,62	3,326	103 25 5,3	11,922	114
39711	Cygnus	7	25 53,84	2,084	47 29 7,5	11,925	238
39712	Cygnus	6	25 54,77	2,084	47 29 5,2	11,926	2
39713	Cygnus	7	25 55,84	2,084	47 29 5,2	11,927	1
39714	Capricornus ..	7	25 56,75	3,589	115 47 36,5	11,928	175
39715	Delphinus	9	25 57,34	2,834	77 48 32,9	11,929	106
39716	Delphinus .. ζ	5	25 57,38	2,802	76 0 21,9	11,929	187
39717	Delphinus .. ζ	6	25 57,43	2,802	76 0 17,9	11,929	103
39718	Aquarius	9	25 58,03	3,257	99 54 6,1	11,930	118
39719	Cygnus	8½	25 58,72	2,170	50 3 44,4	11,930	13
39720	Cygnus	7½	20 26 2,53	+2,021	45 41 46,2	-11,935	11

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39721	Cygnus	5	20	26	7.37	+2,329	55	25	35.7	-11,940	19
39722	Cygnus	4½		26	7.42	2,329	55	25	32.6	11,940	16
39723	Capricornus . 7 ^l	7½		26	7.70	3,374	105	49	44.6	11,941	177
39724	Cygnus	7		26	11.64	2,345	55	59	58.3	11,946	19
39725	Capricornus . .	7		26	13.46	3,569	114	54	43.7	11,947	174
39726	Cygnus	8		26	14.18	2,233	52	5	39.3	11,948	14
39727	Aquila	5		26	18.30	3,130	93	13	55.8	11,953	183
39728	Aquila	5½		26	18.40	3,130	93	13	55.6	11,953	99
39729	Aquila	9		26	18.92	3,077	90	23	38.6	11,954	189
39730	Vulpecula	8		26	19.29	2,613	66	58	5.7	11,955	28
39731	Cygnus	8		26	24.19	2,231	51	59	24.1	11,960	14
39732	Capricornus . .	8		26	27.62	3,414	107	48	24.0	11,964	172
39733	Capricornus . .	7½		26	27.84	3,414	107	48	30.9	11,965	177
39734	Vulpecula	9		26	30.07	2,502	62	8	0.4	11,967	239
39735	Aquarius	7½		26	36.46	+3,036	88	11	13.5	11,975	95
39736	Draco	8½		26	38.54	-1,045	14	36	50.8	11,977	361
39737	Cygnus	6½		26	40.63	+2,134	48	54	8.9	11,980	238
39738	Cygnus	6½		26	40.70	2,134	48	53	20.0	11,980	2
39739	Capricornus . .	8½		26	42.27	3,505	112	6	36.7	11,982	179
39740	Cygnus	7½		26	42.89	2,404	58	10	32.4	11,982	21
39741	Cygnus	7½		26	43.30	2,404	58	10	33.6	11,983	242
39742	Capricornus . .	8½		26	43.98	3,449	109	28	45.4	11,983	178
39743	Vulpecula	9		26	46.52	2,506	62	16	26.4	11,986	239
39744	Capricornus . .	7½		26	48.10	3,496	111	40	45.8	11,988	179
39745	Cygnus	9		26	49.50	2,405	58	13	19.7	11,990	242
39746	Aquarius	8½		26	49.79	3,025	87	38	21.2	11,990	95
39747	Capricornus . .	8½		26	51.28	3,667	119	6	50.9	11,992	180
39748	Delphinus	8½		26	51.92	2,925	82	20	7.9	11,993	102
39749	Cygnus	8		26	52.87	1,829	40	50	11.9	11,994	359
39750	Cygnus	8		26	54.35	2,462	60	25	43.0	11,996	22
39751	Cygnus	9		26	55.23	2,019	45	33	31.9	11,997	1
39752	Aquarius	9		26	55.28	3,210	97	27	17.2	11,997	236
39753	Cygnus	6½		26	55.58	2,017	45	30	14.5	11,997	11
39754	Cygnus	8		26	57.35	2,417	58	38	46.8	11,999	21
39755	Delphinus	8		26	57.39	2,921	82	5	24.3	11,999	102
39756	Aquarius	7½		26	58.94	3,292	101	43	9.0	12,001	114
39757	Delphinus	9		26	59.23	2,885	80	13	37.0	12,001	109
39758	Delphinus	8½		26	59.41	2,885	80	13	58.2	12,001	115
39759	Capricornus . .	8½		27	1.15	3,449	109	28	50.3	12,003	178
39760	Aquila	7	20	27	2.93	+3,081	90	35	19.7	-12,005	189

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39761	Aquila	6½	20 27 3,12	+3,081	90 35 18,9	-12,006	97
39762	Vulpecula	8½	27 3,46	2,525	63 2 0,5	12,006	24
39763	Delphinus	7	27 3,70	2,760	73 52 8,5	12,007	94
39764	Cygnus	7½	27 7,94	1,681	37 39 6,6	12,011	302
39765	Aquarius	8½	27 9,43	3,243	99 13 5,1	12,013	112
39766	Delphinus	8½	27 15,06	2,804	76 3 57,5	12,020	103
39767	Aquarius	8½	27 15,09	3,164	95 2 21,2	12,020	183
39768	Cygnus	9	27 17,23	1,819	40 33 41,1	12,022	359
39769	Vulpecula	8	27 17,65	2,575	65 12 19,2	12,023	28
39770	Cygnus	8	27 17,75	2,082	47 19 1,1	12,023	2
39771	Vulpecula	8	27 18,30	2,575	65 12 15,4	12,023	26
39772	Cygnus	8	27 18,70	2,082	47 19 3,9	12,024	238
39773	Delphinus	8½	27 20,55	2,914	81 42 32,4	12,026	102
39774	Delphinus	8	27 20,61	2,885	80 12 23,0	12,026	115
39775	Delphinus	8	27 20,72	2,885	80 12 26,8	12,026	109
39776	Cygnus	6½	27 21,68	1,961	43 59 9,2	12,027	241
39777	Cygnus	8	27 22,52	1,972	44 15 46,4	12,028	241
39778	Cygnus	6	27 23,13	2,158	49 34 59,1	12,029	13
39779	Cygnus	8	27 25,72	2,129	48 41 8,5	12,032	238
39780	Cygnus	7	27 25,73	2,018	45 30 15,4	12,032	1
39781	Cygnus	8	27 26,07	2,020	45 33 32,4	12,033	11
39782	Delphinus	8	27 27,63	2,855	78 38 7,8	12,034	106
39783	Delphinus	8	27 28,39	2,762	73 58 21,4	12,035	94
39784	Delphinus	8½	27 32,63	2,985	85 28 4,0	12,040	190
39785	Vulpecula	6	27 34,06	2,566	64 48 8,8	12,042	26
39786	Aquarius	8	27 36,61	3,164	95 4 6,2	12,045	183
39787	Vulpecula	9	27 36,68	2,498	61 53 21,7	12,045	239
39788	Aquarius	6½	27 37,15	3,165	95 4 11,6	12,045	99
39789	Delphinus	8	27 39,09	2,880	79 57 53,5	12,048	115
39790	Delphinus	7½	27 41,83	2,961	84 11 9,7	12,051	188
39791	Delphinus	8½	27 43,59	2,800	75 50 3,0	12,053	103
39792	Capricornus ..	8	27 44,63	3,401	107 14 55,0	12,054	177
39793	Capricornus ..	8	27 46,34	3,458	109 58 8,8	12,056	178
39794	Cygnus	8	27 46,36	2,335	55 30 53,9	12,056	19
39795	Cygnus	8	27 47,38	1,696	37 52 36,8	12,057	302
39796	Cygnus	7½	27 47,66	2,137	48 52 55,5	12,058	238
39797	Capricornus ..	7½	27 49,12	3,648	118 24 30,6	12,060	180
39798	Aquarius	8	27 49,18	3,167	95 12 4,4	12,060	183
39799	Aquarius	7½	27 49,21	3,167	95 11 58,9	12,060	99
39800	Aquarius	9	20 27 50,27	+3,208	97 22 23,6	-12,061	236

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39801	Delphinus	9	20 27 51.11	+2,983	85 23 15.8	-12,062	190
39802	Delphinus	3	27 51.80	2,805	76 5 30.0	12,063	299
39803	Aquila	4½	28 0.58	3,103	91 47 36.2	12,073	99
39804	Capricornus ..	8½	28 2.07	3,493	111 37 48.9	12,075	179
39805	Aquarius	9	28 4.70	3,064	89 40 20.5	12,078	189
39806	Capricornus. τ^2	6	28 4.90	3,369	105 38 42.9	12,078	177
39807	Cygnus	7½	28 6.89	1,696	37 51 18.6	12,080	302
39808	Cygnus	9	28 8.40	1,838	40 54 35.1	12,082	359
39809	Aquarius	8	28 10.08	3,240	99 5 23.2	12,084	112
39810	Delphinus .. β	4	28 10.14	2,806	76 5 27.2	12,084	103
39811	Cygnus	7	28 10.21	2,135	48 47 46.0	12,084	2
39812	Delphinus .. β	6	28 10.36	2,805	76 5 30.3	12,084	187
39813	Cygnus	6½	28 10.61	2,135	48 47 45.3	12,085	238
39814	Delphinus .. ϵ	5	28 14.86	2,868	79 18 38.0	12,090	109
39815	Delphinus .. ϵ	.	28 14.91	2,868	79 18 38.5	12,090	106
39816	Capricornus ..	6½	28 16.66	3,556	114 29 37.3	12,091	174
39817	Cygnus	8½	28 17.62	1,958	43 50 12.7	12,093	241
39818	Cygnus	8	28 18.39	1,697	37 51 16.6	12,093	302
39819	Capricornus ..	9	28 21.23	3,369	105 40 4.9	12,097	177
39820	Cygnus	8	28 21.27	2,141	48 57 57.0	12,097	2
39821	Aquarius	9	28 23.25	3,169	95 19 46.6	12,099	183
39822	Cygnus	8	28 23.44	2,049	46 16 22.5	12,099	11
39823	Cygnus	8½	28 27.80	1,865	41 30 22.0	12,105	388
39824	Capricornus ..	7½	28 30.06	3,562	114 47 19.7	12,107	174
39825	Capricornus ..	8	28 30.16	3,643	118 16 49.8	12,107	180
39826	Delphinus	8	28 31.50	2,835	77 35 53.7	12,109	106
39827	Aquarius	6	28 31.88	3,175	95 37 15.9	12,110	99
39828	Vulpecula	5	28 32.72	2,555	64 13 30.7	12,110	26
39829	Capricornus ..	6½	28 34.76	3,621	117 20 20.5	12,112	180
39830	Cygnus . . . . .	.	28 35.14	2,164	49 38 28.5	12,113	13
39831	Aquarius	8½	28 36.42	3,221	98 4 55.8	12,114	236
39832	Aquarius	8½	28 37.26	3,239	99 1 53.8	12,115	112
39833	Capricornus. η	6	28 39.01	3,433	108 49 44.7	12,117	177
39834	Aquarius	8	28 43.52	+3,229	98 30 35.0	12,123	236
39835	Draco.	9	28 44.35	-3,295	9 30 13.4	12,124	365
39836	Aquila	6	28 48.33	+3,127	93 6 19.4	12,128	99
39837	Vulpecula	8½	28 48.41	2,590	65 44 0.0	12,128	28
39838	Aquarius	8½	28 50.15	3,060	89 29 34.9	12,131	189
39839	Delphinus	8	28 52.85	2,915	81 44 34.9	12,134	102
39840	Delphinus	8	20 28 53.27	+2,831	77 21 54.1	-12,134	106

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39841	Draco.....	9	20 28 54,80	-1,196	14 0 53,3	-12,136	361
39842	Cygnus	8	28 54,98	+2,413	58 20 15,2	12,136	242
39843	Cygnus	8	28 55,10	2,413	58 20 15,5	12,136	21
39844	Capricornus ..	8	28 58,87	3,349	104 42 25,3	12,141	176
39845	Cygnus	5½	29 0,98	1,747	38 49 54,3	12,143	302
39846	Cygnus	6	29 1,17	1,747	38 49 46,8	12,143	301
39847	Cygnus	8	29 1,28	1,711	38 4 56,6	12,143	302
39848	Vulpecula	9	29 2,16	2,673	69 32 50,8	12,145	32
39849	Delphinus	8	29 4,49	2,949	83 30 56,8	12,147	188
39850	Aquarius	6	29 9,86	3,073	90 12 21,2	12,154	189
39851	Aquarius	8	29 10,77	3,224	98 16 9,2	12,154	236
39852	Delphinus	7½	29 11,40	2,924	82 10 17,6	12,155	102
39853	Capricornus ..	7	29 16,51	3,391	106 49 25,9	12,161	177
39854	Capricornus ..	8	29 21,96	3,445	109 27 56,6	12,167	178
39855	Delphinus	7	29 22,49	2,832	77 22 38,1	12,168	106
39856	Cygnus	8½	29 23,09	2,422	58 38 12,5	12,169	21
39857	Cygnus	5½	29 24,30	2,434	59 7 5,3	12,170	22
39858	Cygnus	6½	29 24,37	2,434	59 7 3,7	12,170	242
39859	Delphinus .. x	5	29 24,74	2,894	80 36 31,5	12,171	109
39860	Capricornus ..	8	29 25,55	3,651	118 41 25,0	12,171	180
39861	Cygnus	7	29 25,61	2,435	59 10 5,8	12,172	242
39862	Cygnus	5½	29 25,78	2,435	59 10 3,3	12,172	22
39863	Capricornus ..	8	29 26,69	3,604	116 41 47,2	12,173	175
39864	Cygnus	8	29 27,14	2,300	54 6 12,3	12,173	16
39865	Capricornus ..	9	29 27,84	3,377	106 6 22,0	12,174	177
39866	Delphinus	9	29 28,06	2,990	85 43 37,8	12,174	190
39867	Delphinus	8½	29 30,12	2,798	75 41 1,0	12,177	103
39868	Vulpecula	8	29 31,93	2,586	65 30 36,4	12,179	29
39869	Vulpecula	5½	29 35,22	2,672	69 29 32,5	12,183	32
39870	Vulpecula	5	29 35,45	2,672	69 29 33,5	12,183	299
39871	Delphinus	8½	29 37,06	2,877	79 42 46,3	12,185	115
39872	Delphinus	9	29 39,29	2,894	80 37 11,5	12,187	109
39873	Aquarius	9	29 42,07	3,259	100 6 5,3	12,191	112
39874	Cygnus	7	29 45,98	+2,389	57 19 34,0	12,195	21
39875	Draco.....	9	29 46,90	-1,142	14 8 55,8	12,196	361
39876	Aquarius	7	29 47,15	+3,132	93 20 50,0	12,197	183
39877	Aquarius	6½	29 47,36	3,132	93 20 47,6	12,197	99
39878	Cygnus	9	29 48,19	2,430	58 56 5,4	12,198	242
39879	Delphinus	•	29 48,38	2,782	74 50 42,2	12,198	187
39880	Delphinus	7	20 29 48,51	+2,782	74 51 15,4	-12,198	116

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39881	Delphinus	7	20 29 48,67	+2,782	74 51 20,8	-12,199	94
39882	Vulpecula	5	29 49,16	2,610	66 34 37,5	12,199	29
39883	Vulpecula	6	29 50,84	2,619	67 0 45,2	12,201	30
39884	Cygnus	7	29 51,25	2,258	52 35 30,9	12,201	14
39885	Cygnus	6	29 52,88	2,251	52 21 37,6	12,203	14
39886	Aquarius	8½	29 54,11	3,313	102 53 59,6	12,205	114
39887	Cygnus	8	29 55,33	2,460	60 6 53,1	12,206	22
39888	Capricornus . .	8	29 58,00	3,416	108 4 34,5	12,209	177
39889	Delphinus	8½	30 2,98	2,832	77 21 13,6	12,215	106
39890	Vulpecula	7	30 3,40	2,595	65 54 54,6	12,215	29
39891	Cygnus	7	30 5,48	2,264	52 45 47,0	12,218	14
39892	Capricornus . .	7	30 7,13	3,338	104 11 55,5	12,220	176
39893	Vulpecula	8	30 7,84	2,578	65 8 34,8	12,221	26
39894	Cygnus	8	30 12,12	2,158	49 17 54,3	12,226	13
39895	Cygnus	8	30 12,55	2,158	49 18 1,2	12,226	238
39896	Aquarius	8½	30 13,40	3,233	98 44 27,4	12,227	236
39897	Aquarius	8	30 13,41	3,019	87 15 27,3	12,227	190
39898	Aquarius	7	30 13,66	3,019	87 15 23,8	12,227	95
39899	Delphinus	7	30 14,42	2,925	82 14 57,3	12,228	102
39900	Cygnus	7½	30 14,68	2,392	57 20 34,7	12,228	21
39901	Capricornus . .	9	30 17,00	3,450	109 45 29,5	12,231	178
39902	Delphinus	7½	30 17,03	2,872	79 27 5,6	12,231	115
39903	Aquarius	9	30 17,11	3,261	100 13 5,5	12,231	112
39904	Delphinus	7	30 17,13	2,872	79 27 10,3	12,231	109
39905	Vulpecula	6	30 17,79	2,660	68 52 43,0	12,232	30
39906	Aquarius	8½	30 18,92	3,263	100 20 27,0	12,234	112
39907	Delphinus.. α	3	30 20,16	2,781	74 47 4,5	12,235	299
39908	Delphinus.. α	5	30 20,86	2,781	74 47 3,5	12,235	94
39909	Cygnus	7	30 20,90	2,105	47 42 6,4	12,236	238
39910	Cygnus	7½	30 20,91	2,105	47 41 35,6	12,236	2
39911	Delphinus.. α	3	30 21,00	2,781	74 47 2,8	12,236	187
39912	Delphinus.. α	3	30 21,14	2,781	74 47 2,0	12,236	116
39913	Cygnus	7½	30 21,67	2,105	47 42 5,6	12,237	1
39914	Delphinus	8½	30 26,47	2,830	77 16 39,4	12,242	106
39915	Delphinus	8	30 26,49	2,833	77 23 30,6	12,242	106
39916	Cygnus	9	30 29,63	1,819	40 15 45,5	12,246	359
39917	Delphinus	8	30 32,80	2,885	80 7 34,2	12,249	109
39918	Aquarius	9½	30 36,65	3,094	91 17 46,0	12,254	189
39919	Cygnus	8	30 41,32	1,843	40 46 55,9	12,259	359
39920	Capricornus . .	9	20 30 42,12	+3,315	103 2 17,0	-12,260	114

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39921	Cygnus	5½	20 30 45,04	+2,467	60 21 31,0	-12,264	22
39922	Aquarius	8	30 45,38	3,216	97 53 42,5	12,264	236
39923	Vulpecula	7	30 46,91	2,568	64 37 22,9	12,266	26
39924	Aquarius	7½	30 47,31	3,194	96 41 48,3	12,266	99
39925	Aquarius ....	.	30 48,60	3,288	101 38 46,2	12,268	114
39926	Capricornus ..	9	30 49,42	3,440	109 17 44,8	12,269	178
39927	Cygnus .....	.	30 53,20	1,892	41 55 30,9	12,273	388
39928	Cygnus	7	30 53,76	2,112	47 51 36,3	12,274	238
39929	Cygnus	7½	30 53,97	2,112	47 51 33,4	12,274	2
39930	Cygnus	7½	30 54,53	2,113	47 51 42,5	12,274	1
39931	Vulpecula	8½	30 59,68	2,498	61 35 55,8	12,280	24
39932	Delphinus	8½	31 3,51	2,786	74 59 18,1	12,285	116
39933	Vulpecula	8	31 5,43	2,522	62 36 28,5	12,287	239
39934	Cygnus	7	31 6,76	2,250	52 3 1,7	12,289	14
39935	Vulpecula	9	31 6,94	2,563	64 23 26,5	12,289	26
39936	Cygnus	8	31 8,71	2,139	48 37 15,9	12,291	2
39937	Aquila	8	31 10,29	3,224	98 19 19,8	12,292	236
39938	Aquila	9½	31 15,16	3,166	95 11 40,2	12,298	183
39939	Capricornus ..	7½	31 16,16	3,430	108 48 51,8	12,299	177
39940	Delphinus	8	31 16,45	2,788	75 3 33,6	12,300	94
39941	Aquarius	9	31 16,48	3,083	90 42 44,6	12,300	189
39942	Delphinus	8	31 16,51	2,786	74 58 33,0	12,300	116
39943	Delphinus	9	31 18,30	2,886	80 7 33,9	12,302	109
39944	Delphinus ....	.	31 20,07	2,810	76 10 15,9	12,304	103
39945	Cygnus	7½	31 21,57	2,465	60 11 35,4	12,306	22
39946	Cygnus	7	31 22,67	2,063	46 21 52,8	12,307	1
39947	Cygnus	7	31 22,75	2,063	46 21 47,0	12,307	11
39948	Cygnus	7½	31 23,60	2,457	59 52 58,1	12,308	22
39949	Cygnus	9	31 24,43	+1,927	42 45 1,5	12,309	388
39950	Draco.....	9	31 25,63	-1,008	14 31 2,0	12,310	361
39951	Vulpecula	8	31 27,34	+2,616	66 46 2,9	12,312	29
39952	Cygnus	8	31 31,68	1,969	43 48 34,6	12,317	241
39953	Cygnus	6½	31 32,38	1,705	37 43 13,8	12,318	302
39954	Cygnus	7	31 33,14	1,705	37 43 11,9	12,319	301
39955	Capricornus ..	8	31 35,68	3,329	103 47 25,1	12,322	176
39956	Delphinus	7	31 42,39	2,702	70 47 4,9	12,330	32
39957	Vulpecula	8	31 42,68	2,576	64 54 41,9	12,330	26
39958	Vulpecula	8	31 42,82	2,660	68 46 24,3	12,330	30
39959	Aquarius	8	31 43,99	3,288	101 40 26,0	12,331	114
39960	Capricornus ..	.	20 31 48,65	+3,645	118 37 13,1	-12,337	180

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39961	Cygnus	8	20 31 50.10	+1,924	42 37 43.0	-12,338	388
39962	Capricornus ..	8	31 54.09	3,543	114 10 36.7	12,343	174
39963	Delphinus	7	31 54.65	2,809	76 7 5.6	12,344	103
39964	Aquarius	8	31 55.03	3,180	95 59 43.7	12,344	99
39965	Aquarius	7½	32 3.02	3,125	93 1 54.4	12,353	183
39966	Aquarius	7½	32 3.03	3,125	93 1 52.5	12,354	184
39967	Cygnus	7	32 5.91	2,340	55 18 43.5	12,357	19
39968	Cygnus	7	32 5.96	2,340	55 18 43.4	12,357	16
39969	Vulpecula	6	32 6.92	2,570	64 36 49.2	12,358	26
39970	Delphinus	8	32 12.25	2,824	76 53 39.6	12,364	103
39971	Aquarius	8	32 12.54	3,126	93 4 13.6	12,364	184
39972	Aquarius	8½	32 13.03	3,126	93 4 9.5	12,365	183
39973	Cygnus	6	32 13.53	2,190	50 7 7.1	12,365	13
39974	Delphinus	7	32 13.76	2,963	84 11 46.2	12,366	188
39975	Delphinus....	8	32 15.09	2,849	78 11 1.0	12,367	106
39976	Cygnus	7½	32 17.95	1,755	38 41 26.6	12,371	302
39977	Aquarius	8½	32 20.13	3,283	101 26 54.8	12,373	114
39978	Cygnus	7	32 25.38	2,137	48 26 21.5	12,379	238
39979	Delphinus	8½	32 25.50	2,950	83 31 31.6	12,379	188
39980	Cygnus	7½	32 25.68	2,137	48 26 22.0	12,380	2
39981	Capricornus ..	8	32 27.31	3,454	110 2 58.1	12,381	178
39982	Capricornus ..	.	32 27.54	3,651	118 54 48.4	12,381	180
39983	Delphinus	8½	32 31.04	2,815	76 23 33.8	12,385	103
39984	Cygnus	8	32 32.47	1,739	38 19 16.4	12,387	301
39985	Cygnus	8	32 33.78	1,739	38 19 21.1	12,389	302
39986	Cygnus	7	32 38.54	2,019	45 1 57.6	12,394	241
39987	Cygnus	7½	32 38.68	2,019	45 2 2.8	12,394	1
39988	Aquarius ....	.	32 40.30	3,028	87 42 41.9	12,396	95
39989	Delphinus	8½	32 41.19	2,882	79 53 39.0	12,397	109
39990	Delphinus	8½	32 43.49	2,950	83 29 11.4	12,400	182
39991*	Delphinus	8½	32 44.12	2,889	80 13 53.8	12,401	115
39992	Delphinus	8	32 44.24	2,889	80 13 53.5	12,401	109
39993	Delphinus	7½	32 47.31	2,752	73 11 10.9	12,404	116
39994	Delphinus	8½	32 48.25	2,712	71 11 2.8	12,405	187
39995	Delphinus	8	32 50.08	2,848	78 4 20.6	12,407	106
39996	Vulpecula	9	32 53.02	2,535	63 2 46.5	12,411	24
39997	Vulpecula	8½	32 53.36	2,616	66 39 48.1	12,411	29
39998	Delphinus	9	32 54.94	2,947	83 18 44.9	12,413	188
39999	Cygnus	6	32 56.95	2,423	58 23 42.5	12,415	21
40000	Cygnus	6	20 32 57.39	+2,423	58 23 45.9	-12,416	242

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40001	Vulpecula	7	20	32	58,36	+2,613	66	31	14,8	-12,417	29
40002	Cygnus	8		32	58,92	2,352	55	39	40,4	12,417	19
40003	Cygnus	8		32	58,95	+2,496	61	20	38,4	12,417	239
40004	Draco	9½		33	0,83	-1,440	13	6	35,6	12,420	361
40005	Delphinus	8½		33	1,10	+2,852	78	16	19,9	12,420	106
40006	Aquarius	9		33	2,25	3,237	99	4	45,3	12,421	112
40007	Cygnus	9		33	4,44	2,497	61	22	22,4	12,424	239
40008	Delphinus	9		33	5,07	2,846	77	58	36,4	12,425	106
40009	Cygnus	7		33	7,17	2,450	59	27	13,7	12,427	22
40010	Delphinus	8		33	7,93	2,705	70	50	32,3	12,428	32
40011	Delphinus	8		33	8,26	2,710	71	4	42,4	12,428	187
40012	Delphinus	8		33	8,32	2,710	71	4	40,6	12,428	32
40013	Aquarius	7½		33	16,80	3,192	96	39	56,3	12,438	99
40014	Aquarius	8		33	17,55	3,128	93	9	33,4	12,439	184
40015	Aquarius	8		33	17,77	3,128	93	9	29,3	12,439	183
40016	Delphinus	8		33	19,38	2,713	71	13	37,7	12,441	32
40017	Aquarius	7		33	21,31	3,185	96	18	1,1	12,443	99
40018	Delphinus	8		33	24,23	2,715	71	18	41,7	12,447	187
40019	Capricornus ..	7		33	25,25	3,349	104	53	47,8	12,448	176
40020	Cygnus	6½		33	31,49	2,239	51	37	23,9	12,455	14
40021	Cygnus	9		33	31,71	2,026	45	7	59,4	12,455	1
40022	Cygnus	7½		33	36,94	2,175	49	30	8,7	12,461	13
40023	Aquarius	9		33	37,35	3,158	94	49	13,5	12,462	183
40024	Cygnus	8		33	37,52	2,175	49	30	14,2	12,462	2
40025	Aquarius	9		33	39,27	3,238	99	8	19,3	12,464	112
40026	Aquarius	7½		33	42,74	3,154	94	37	33,0	12,468	183
40027	Vulpecula	8		33	42,85	2,619	66	42	52,7	12,468	29
40028	Aquarius	9		33	43,02	3,248	99	41	11,3	12,468	112
40029	Delphinus	7½		33	43,17	2,984	85	19	10,7	12,468	190
40030	Delphinus	8		33	46,80	2,962	84	7	59,6	12,472	188
40031	Cygnus	8		33	50,41	2,341	55	9	46,4	12,476	16
40032	Cygnus	6½		33	51,38	2,450	59	23	49,4	12,478	22
40033	Delphinus	8		33	56,36	2,915	81	35	39,4	12,483	102
40034	Aquarius	9		33	57,59	3,254	99	59	33,2	12,485	112
40035	Delphinus	9		34	0,67	2,799	75	30	51,8	12,488	103
40036	Delphinus .. δ	4½		34	7,35	2,802	75	37	59,9	12,496	103
40037	Delphinus .. δ	4		34	7,68	2,802	75	38	3,3	12,496	94
40038	Aquarius	8		34	9,71	3,230	98	43	14,3	12,499	236
40039	Capricornus ψ	5		34	13,94	3,579	115	58	39,2	12,503	174
40040	Delphinus	9	20	34	16,34	+2,902	80	51	18,8	-12,506	109

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40041	Aquarius	9	20 34 19.50	+3,084	90 48 48.9	-12,509	189
40042	Capricornus ..	9½	34 19.74	3,448	109 53 11.2	12,510	178
40043	Cygnus	7	34 32.42	2,345	55 15 8.0	12,524	16
40044	Aquarius	8	34 35.07	3,207	97 28 40.2	12,527	236
40045	Delphinus	8	34 35.92	2,710	70 59 4.8	12,528	32
40046	Delphinus	8½	34 36.22	2,907	81 8 30.4	12,529	115
40047	Delphinus	8	34 36.37	2,907	81 8 25.1	12,529	109
40048	Aquarius	8½	34 36.48	3,251	99 51 7.6	12,529	112
40049	Cygnus α	2	34 36.67	2,041	45 25 42.3	12,529	388
40050	Cygnus α	2	34 36.96	2,041	45 25 41.3	12,529	11
40051	Cygnus α	1½	34 37.12	2,041	45 25 44.4	12,530	1
40052	Cygnus α	2	34 37.79	2,041	45 25 45.4	12,531	241
40053	Cygnus α	.	34 38.08	2,041	45 25 41.8	12,531	17
40054	Vulpecula	8	34 38.33	2,627	67 2 57.6	12,531	29
40055	Aquarius	8	34 38.65	3,195	96 52 11.4	12,532	99
40056	Capricornus ..	9	34 39.73	3,447	109 51 12.9	12,533	178
40057	Aquarius	8	34 40.39	3,077	90 25 7.9	12,533	189
40058	Cygnus	6	34 42.22	2,162	48 59 36.4	12,535	238
40059	Cygnus	5½	34 43.38	2,162	48 59 32.1	12,537	2
40060	Vulpecula	6½	34 43.90	2,580	64 53 8.2	12,538	26
40061	Delphinus	9	34 46.07	2,993	85 49 14.3	12,540	190
40062	Vulpecula	8	34 46.82	2,631	67 11 0.7	12,541	29
40063	Cygnus	8	34 47.27	2,136	48 11 18.3	12,541	2
40064	Vulpecula	6½	34 47.38	2,585	65 6 35.5	12,541	26
40065	Aquarius	8½	34 52.52	3,225	98 28 29.3	12,547	236
40066	Aquarius	8	34 52.68	3,102	91 45 28.7	12,547	184
40067	Aquarius	9½	35 1.51	3,164	95 9 16.9	12,557	183
40068	Vulpecula	7	35 2.34	2,625	66 55 17.3	12,558	29
40069	Aquarius	9	35 5.25	3,168	95 21 44.5	12,562	183
40070	Aquarius	8½	35 5.49	+3,223	98 22 47.9	12,562	236
40071	Cepheus	9	35 5.52	-2,578	10 27 36.0	12,562	365
40072	Aquarius	9	35 8.19	+3,286	101 44 15.0	12,565	114
40073	Capricornus ..	7½	35 9.82	3,452	110 9 29.0	12,567	178
40074	Aquarius	9	35 11.29	3,222	98 18 9.9	12,568	236
40075	Delphinus	8	35 11.74	2,832	77 9 33.7	12,569	103
40076	Delphinus	8	35 13.91	2,973	84 41 30.5	12,572	188
40077	Delphinus	9	35 14.19	2,902	80 52 5.8	12,572	115
40078	Delphinus	9	35 15.51	2,903	80 53 26.7	12,573	115
40079	Delphinus	9	35 15.84	2,902	80 51 59.4	12,574	109
40080	Aquarius	8½	20 35 21.44	+3,198	97 2 33.5	-12,580	99

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40081	Delphinus	7	20 35 23,06	+2,856	78 24 10,1	-12,582	106
40082	Delphinus	8	35 31,87	2,975	84 49 53,6	12,592	188
40083	Cygnus	6	35 34,29	+2,344	55 7 27,3	12,595	16
40084	Draco	9½	35 39,50	-1,453	12 57 20,5	12,601	361
40085	Aquarius	8½	35 40,09	+3,098	91 32 33,9	12,601	184
40086	Cygnus	8	35 41,45	2,506	61 34 14,4	12,603	24
40087	Aquarius	8	35 42,10	3,280	101 25 53,9	12,604	114
40088	Aquarius	7½	35 44,22	3,089	91 3 27,8	12,606	189
40089	Aquarius	8	35 46,83	2,630	67 5 24,1	12,609	29
40090	Vulpecula	7½	35 47,28	2,687	70 13 28,4	12,609	32
40091	Cygnus	•	35 49,52	2,200	50 5 2,1	12,612	13
40092	Aquarius	9	35 49,64	3,258	100 15 41,6	12,612	112
40093	Delphinus	8	35 58,62	2,873	79 17 33,9	12,622	109
40094	Delphinus	8	36 1,83	2,869	79 4 29,5	12,626	109
40095	Aquarius	8½	36 3,30	3,192	96 41 59,3	12,628	99
40096	Delphinus	9½	36 4,62	2,990	85 37 7,5	12,629	190
40097	Delphinus	7	36 7,85	2,948	83 20 26,9	12,632	102
40098	Aquarius	8½	36 11,02	3,160	94 57 30,1	12,636	183
40099	Vulpecula	5	36 13,32	2,595	65 26 10,2	12,639	26
40100	Cygnus	8	36 13,86	2,208	50 19 15,2	12,639	13
40101	Aquarius	8½	36 15,92	3,156	94 46 38,5	12,642	183
40102	Cygnus	8½	36 16,82	2,446	59 1 18,8	12,643	242
40103	Cygnus	•	36 22,31	2,237	51 15 20,1	12,649	14
40104	Delphinus	9	36 25,87	2,970	84 30 2,4	12,653	188
40105	Aquarius	8½	36 26,41	3,098	91 33 19,6	12,654	184
40106	Cygnus	9½	36 31,37	2,443	58 51 50,4	12,659	242
40107	Cygnus	8½	36 32,67	1,888	41 39 46,9	12,661	388
40108	Cygnus	•	36 34,36	2,048	45 25 57,8	12,663	1
40109	Capricornus ..	8½	36 36,06	3,522	113 34 13,5	12,665	174
40110	Cygnus	8	36 37,55	2,317	54 □ 12,6	12,666	16
40111	Capricornus ..	8	36 40,97	3,520	113 27 23,1	12,670	174
40112	Cygnus	7½	36 42,19	2,152	48 29 48,2	12,672	238
40113	Cygnus	7	36 42,27	2,152	48 29 45,4	12,672	2
40114	Aquarius	8	36 42,30	3,113	92 24 53,6	12,672	184
40115	Capricornus ..	7½	36 46,43	+3,447	109 59 1,3	12,677	178
40116	Draco	9½	36 46,85	-1,329	13 15 33,2	12,677	361
40117	Aquarius .. s	4	36 50,42	+3,256	100 13 2,0	12,681	112
40118	Delphinus	9	36 50,69	2,799	75 22 47,4	12,681	103
40119	Delphinus	8	36 53,98	2,789	74 49 3,7	12,685	94
40120	Delphinus	7½	20 36 54,02	+2,789	74 49 3,4	-12,685	116

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40121	Delphinus	8½	20	37	0,04	+2,946	83° 10' 8,1	-12,692	102
40122	Delphinus	8		37	0,09	2,851	78 5 53,9	12,692	106
40123	Cygnus	7½		37	1,06	2,012	44 23 48,5	12,693	241
40124	Capricornus ..	9		37	2,16	3,425	108 55 30,7	12,694	177
40125	Capricornus ..	8		37	3,16	3,425	108 55 34,7	12,695	177
40126	Cygnus	8½		37	3,34	2,446	58 56 41,4	12,696	242
40127	Cygnus	9		37	5,70	2,052	45 30 1,5	12,698	1
40128	Delphinus	8½		37	8,22	2,907	81 2 54,3	12,701	115
40129	Delphinus	8½		37	8,80	2,907	81 2 53,0	12,702	109
40130	Aquarius	4½		37	10,76	3,174	95 44 57,9	12,704	99
40131	Aquarius	8		37	14,98	3,312	103 10 55,5	12,709	176
40132	Aquarius	8		37	17,66	3,261	100 28 25,8	12,712	112
40133	Delphinus	•		37	21,67	2,784	74 35 11,3	12,716	187
40134	Delphinus	8		37	21,98	2,784	74 35 10,1	12,717	94
40135	Delphinus	7		37	22,03	2,785	74 35 16,9	12,717	116
40136	Delphinus.. γ	3		37	22,51	2,784	74 35 11,3	12,717	187
40137	Delphinus.. γ	3		37	22,96	2,784	74 35 10,1	12,718	94
40138	Delphinus.. γ	4		37	23,03	2,785	74 35 16,9	12,718	116
40139	Cygnus	4½		37	24,39	2,473	60 ■ 9,1	12,719	22
40140	Aquarius	8½		37	30,71	3,206	97 31 36,6	12,727	236
40141	Delphinus	8½		37	32,59	2,987	85 25 32,6	12,729	190
40142	Delphinus	8½		37	35,75	2,959	83 54 38,8	12,731	188
40143	Aquarius	9		37	38,14	3,259	100 23 30,4	12,735	112
40144	Aquarius	9		37	40,39	3,138	93 45 52,5	12,737	183
40145	Cygnus	9		37	42,60	2,140	48 1 2,3	12,740	238
40146	Delphinus	8		37	47,73	2,957	83 44 58,3	12,746	188
40147	Aquarius	8½		37	48,08	3,206	97 31 33,5	12,746	236
40148	Delphinus	8		37	49,28	2,906	80 59 41,9	12,747	115
40149	Delphinus	8		37	49,33	2,903	80 51 42,4	12,747	109
40150	Delphinus	6½		37	53,34	2,974	84 43 2,5	12,752	188
40151	Delphinus	6		37	53,96	2,974	84 43 1,4	12,753	190
40152	Capricornus ..	9		37	56,16	3,424	108 56 52,7	12,755	177
40153	Aquarius	9		37	57,04	3,088	91 1 33,1	12,756	189
40154	Aquarius	9		37	58,53	3,086	90 53 22,8	12,758	189
40155	Capricornus ..	7		37	59,10	3,420	108 45 47,4	12,759	177
40156	Cygnus	7		37	59,51	1,979	43 25 20,1	12,759	241
40157	Vulpecula	8		38	0,42	2,616	66 15 42,0	12,760	29
40158	Aquarius	9½		38	1,07	3,147	94 18 50,9	12,761	183
40159	Aquarius	7½		38	2,84	3,314	103 20 21,0	12,763	176
40160	Delphinus	7½	20	38	6,56	+2,893	80 15 34,4	-12,767	109

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			h	m	s	s	°	'	"
40161	Cygnus	8½	20	38	7.52	+2,149	48	15	11.5
40162	Delphinus	8		38	8.47	2,845	77	44	27.8
40163	Delphinus	8		38	19.84	2,784	74	29	9.3
40164	Aquarius	7½		38	21.34	+3,017	87	4	49.6
40165	Cepheus	7		38	23.84	-2,093	11	17	12.2
40166	Vulpecula	8½		38	24.24	+2,596	65	18	33.7
40167	Cygnus .....	.		38	28.22	2,262	51	53	53.6
40168	Aquarius	8		38	28.29	3,292	102	11	5.5
40169	Aquarius	9		38	28.43	3,123	92	57	53.3
40170	Delphinus	7½		38	32.29	2,946	83	7	58.5
40171	Cygnus	7		38	36.73	2,017	44	21	58.0
40172	Cygnus	7½		38	40.05	2,434	58	18	20.2
40173	Capricornus ..	7		38	41.58	3,565	115	42	27.9
40174	Aquarius	9½		38	43.07	3,255	100	10	57.2
40175	Vulpecula	8		38	47.37	+2,655	68	1	50.0
40176	Draco	7½		38	48.95	-3,244	9	15	22.5
40177	Aquarius	9		38	51.47	+3,333	104	22	24.7
40178	Cygnus	9		38	52.86	1,945	42	27	15.2
40179	Delphinus	8		38	53.40	2,912	81	15	39.8
40180	Delphinus	8½		38	55.22	2,799	75	15	23.2
40181	Cygnus	8		38	59.48	2,441	58	33	17.4
40182	Aquarius	7		38	59.73	3,093	91	17	33.4
40183	Aquarius	9		39	7.72	3,153	94	37	11.3
40184	Aquarius	7½		39	9.37	3,204	97	25	50.9
40185	Delphinus	8½		39	9.89	2,973	84	38	42.1
40186	Vulpecula	6½		39	10.48	2,581	64	32	59.7
40187	Vulpecula	8½		39	16.25	+3,010	86	42	2.7
40188	Draco	9½		39	16.65	-0,852	14	40	40.6
40189	Aquarius	9		39	17.21	+3,152	94	36	19.2
40190	Delphinus	8		39	19.39	2,868	78	51	51.1
40191	Capricornus ..	7		39	19.94	3,486	112	2	32.4
40192	Vulpecula	7		39	20.77	2,549	63	7	51.7
40193	Vulpecula	6½		39	21.17	2,549	63	7	57.9
40194	Vulpecula	6½		39	21.60	2,549	63	7	59.3
40195	Aquarius	9		39	22.48	3,218	98	13	8.4
40196	Aquarius	7½		39	23.27	3,175	95	52	43.4
40197	Capricornus ..	8½		39	23.53	3,369	106	14	38.7
40198	Vulpecula	8		39	25.65	2,686	69	29	52.9
40199	Aquarius	9		39	29.78	3,110	92	14	33.2
40200	Cygnus	8	20	39	32.61	+1,849	40	3	9.7

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40201	Cygnus	8½	20 39 32,90	+2,449	58° 48' 59.5	-12,864	242
40202	Aquarius	8	39 33,06	3,089	91 3 22,5	12,864	189
40203	Vulpecula	8½	39 34,34	2,553	63 16 18,9	12,865	239
40204	Vulpecula	8	39 35,47	2,553	63 16 19,4	12,866	24
40205	Cygnus	8½	39 35,83	2,455	59 3 25,8	12,867	242
40206	Cygnus λ	5	39 37,88	2,331	54 14 16,3	12,869	16
40207	Vulpecula	7½	39 39,01	2,577	64 20 7,2	12,871	26
40208	Cygnus	8	39 39,04	2,337	54 26 46,5	12,871	16
40209	Aquarius	6	39 39,25	3,312	103 16 29,6	12,871	114
40210	Aquarius	6	39 39,60	3,312	103 16 33,1	12,871	176
40211	Aquarius	8½	39 39,87	3,005	86 22 24,9	12,872	190
40212	Vulpecula	7½	39 41,12	2,649	67 43 5,2	12,873	30
40213	Delphinus	8	39 46,04	2,784	74 26 11,7	12,878	116
40214	Aquarius	8	39 46,46	+3,175	95 51 5,1	12,879	99
40215	Draco.....	8	39 46,85	-0,720	15 8 24,7	12,879	361
40216	Delphinus	8	39 47,43	+2,926	82 2 5,8	12,880	102
40217	Delphinus	8	39 50,94	2,816	76 7 30,2	12,884	104
40218	Aquarius	7	39 51,36	3,039	88 18 0,3	12,884	95
40219	Capricornus ω	6	39 51,52	3,607	117 39 21,0	12,885	175
40220	Aquarius	9	39 52,61	3,254	100 12 53,8	12,886	112
40221	Cygnus	6½	39 55,10	2,016	44 11 43,3	12,888	241
40222	Cygnus	7½	39 57,73	2,157	48 19 9,0	12,891	238
40223	Cygnus	7½	39 57,78	2,157	48 19 12,3	12,891	2
40224	Aquarius	9	39 57,80	3,111	92 17 47,3	12,891	184
40225	Vulpecula	8	39 58,11	2,650	67 44 11,1	12,892	30
40226	Cygnus	9	39 58,84	1,950	42 27 30,4	12,893	388
40227	Delphinus	6½	39 59,75	2,942	82 52 9,3	12,894	102
40228	Vulpecula	8	40 1,47	2,612	65 55 14,6	12,896	29
40229	Equuleus	7	40 1,86	2,983	85 11 20,9	12,896	188
40230	Delphinus	6½	40 5,61	+2,856	78 11 37,8	12,900	106
40231	Draco.....	6	40 7,50	-3,202	9 16 24,7	12,902	365
40232	Cygnus	8	40 8,68	+1,757	37 56 54,1	12,904	301
40233	Aquarius	8	40 9,68	3,169	95 31 35,0	12,905	99
40234	Delphinus	7½	40 10,79	2,875	79 14 13,8	12,906	109
40235	Capricornus ..	8½	40 10,97	3,407	108 14 20,4	12,906	177
40236	Delphinus	8	40 11,27	2,875	79 14 16,1	12,906	115
40237	Delphinus	9	40 11,58	2,942	82 53 21,3	12,907	102
40238	Aquarius	8	40 13,08	3,337	104 39 27,5	12,908	176
40239	Vulpecula	8½	40 13,77	2,524	61 55 52,0	12,910	239
40240	Aquarius	8½	20 40 16,88	+3,076	90 22 31,0	-12,913	189

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40241	Delphinus	8½	20 40 18,03	+2,790	74 44 26,9	-12,914	116
40242	Cygnus	7	40 21,70	2,477	59 56 5,6	12,918	22
40243	Aquarius	9	40 21,97	+3,143	94 5 27,5	12,919	183
40244	Draco	7	40 24,44	-2,966	9 37 9,1	12,922	365
40245	Delphinus	8½	40 25,53	+2,793	74 51 32,9	12,923	116
40246	Delphinus	8	40 25,69	2,868	78 49 41,6	12,923	106
40247	Cygnus	7½	40 25,91	2,170	48 39 44,2	12,923	238
40248	Cygnus	8	40 26,19	2,170	48 39 44,3	12,923	2
40249	Cygnus	6½	40 27,40	2,254	51 26 35,1	12,925	14
40250	Aquarius	8½	40 29,45	3,331	104 19 7,9	12,927	176
40251*	Cygnus	6	40 29,45	2,053	45 9 1,1	12,927	1
40252	Cygnus	7	40 29,49	2,052	45 8 59,2	12,927	241
40253	Cygnus	7	40 32,29	1,748	37 43 36,7	12,930	301
40254	Cygnus	5½	40 32,96	1,748	37 43 38,8	12,931	303
40255	Delphinus	8	40 39,57	2,865	78 39 3,3	12,938	106
40256	Capricornus ..	8	40 48,61	3,482	111 58 12,3	12,948	179
40257	Capricornus ..	7½	40 48,67	3,449	110 22 58,1	12,948	178
40258	Aquarius	8	40 55,32	3,269	101 3 14,5	12,956	112
40259	Vulpecula	8	40 58,98	2,612	65 52 1,0	12,960	29
40260	Capricornus ..	9	41 1,32	3,447	110 16 12,2	12,963	178
40261	Cygnus	8½	41 2,73	1,910	41 20 30,5	12,964	388
40262	Aquarius	7	41 3,07	3,290	102 10 39,5	12,964	114
40263	Vulpecula	7½	41 5,95	2,593	64 57 51,2	12,968	26
40264	Cygnus	8	41 7,05	2,183	49 0 59,2	12,969	2
40265	Cygnus	8	41 7,29	2,183	49 0 58,4	12,969	238
40266	Aquarius	8	41 8,64	3,021	87 15 3,8	12,971	107
40267	Aquarius	7½	41 9,47	3,021	87 15 5,4	12,972	95
40268	Delphinus	7½	41 10,33	2,969	84 20 58,6	12,972	188
40269	Aquarius	9½	41 11,07	3,252	100 8 16,0	12,973	112
40270	Cygnus	8	41 13,13	1,770	38 7 21,9	12,976	301
40271	Delphinus	9	41 13,54	2,830	76 47 4,7	12,976	104
40272	Cygnus	8	41 16,18	2,167	48 28 40,8	12,979	238
40273	Capricornus ..	9	41 16,46	3,629	118 45 56,1	12,979	180
40274	Capricornus ..	6	41 16,47	3,535	114 31 16,9	12,979	174
40275	Delphinus	8	41 16,61	2,856	78 9 50,2	12,979	106
40276	Aquarius	8	41 16,68	3,169	95 32 11,5	12,980	100
40277	Cygnus	7	41 18,51	2,360	55 10 10,5	12,982	16
40278	Cygnus	8	41 18,69	2,483	60 5 4,3	12,982	22
40279	Cygnus	7	41 19,04	2,360	55 10 11,5	12,982	19
40280	Cygnus	7	20 41 24,91	+2,270	51 52 12,1	-12,989	14

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40281	Cygnus	7½	20 41 25,31	+2,183	48 58 13,2	-12,989	238
40282	Cygnus	9	41 25,50	2,183	48 58 21,0	12,990	2
40283	Vulpecula	8	41 25,99	2,587	64 39 54,7	12,990	26
40284	Delphinus	9	41 27,56	2,827	76 35 59,3	12,992	104
40285	Aquarius	7	41 27,78	3,323	103 56 40,8	12,992	176
40286	Cygnus	9	41 27,88	1,853	39 58 1,5	12,992	359
40287	Cygnus	7½	41 31,15	2,243	50 56 31,1	12,996	13
40288	Vulpecula	8½	41 31,87	2,522	61 44 33,4	12,996	239
40289	Vulpecula	7	41 33,17	2,559	63 21 37,2	12,998	26
40290	Vulpecula	7	41 33,36	2,559	63 21 36,6	12,998	24
40291	Cygnus	8	41 33,42	2,061	45 17 0,5	12,998	1
40292	Capricornus ..	8½	41 35,87	3,379	106 54 16,6	13,001	177
40293	Cygnus	8	41 36,42	2,258	51 26 46,6	13,001	14
40294	Aquarius	9	41 37,99	3,123	93 0 2,4	13,003	184
40295	Vulpecula	•	41 40,01	2,704	70 15 41,7	13,005	32
40296	Aquarius	8	41 46,79	3,167	95 26 37,0	13,013	100
40297	Vulpecula	8	41 47,19	2,636	66 54 30,0	13,013	29
40298	Delphinus	8	41 48,53	2,791	74 41 23,2	13,015	116
40299	Cygnus	6½	41 52,05	1,782	38 19 7,1	13,019	301
40300	Equuleus	9	41 52,17	+3,004	86 18 47,8	13,019	190
40301	Draco.....	9	41 53,37	-0,771	14 50 8,8	13,020	361
40302	Cygnus	9	41 53,95	+1,889	40 44 14,9	13,021	359
40303	Aquarius	8	41 54,43	+3,140	93 57 31,6	13,022	183
40304	Draco.....	8	41 58,35	-1,044	13 53 8,5	13,026	361
40305	Draco.....	8	41 58,48	-1,044	13 53 13,7	13,026	351
40306	Aquarius	9	41 59,01	+3,085	90 51 39,5	13,027	189
40307	Equuleus	8½	42 0,43	2,981	84 59 51,9	13,028	188
40308	Vulpecula	8½	42 4,65	2,530	62 1 58,5	13,033	239
40309	Capricornus ..	7½	42 5,18	3,626	118 40 14,0	13,034	180
40310	Cygnus	6	42 7,19	2,040	44 37 15,1	13,036	241
40311	Capricornus ..	7½	42 7,41	3,437	109 51 29,7	13,036	178
40312	Cygnus	8½	42 7,60	2,342	54 24 25,2	13,036	16
40313	Aquarius	6½	42 8,06	3,292	102 19 6,6	13,036	114
40314	Delphinus	8	42 9,68	2,867	78 42 8,7	13,038	106
40315	Aquarius	8	42 9,73	3,021	87 16 56,0	13,038	95
40316	Delphinus	7½	42 10,54	2,926	81 58 3,7	13,039	102
40317	Cygnus	8½	42 14,64	1,961	42 30 9,1	13,044	388
40318	Cygnus	7	42 18,73	2,479	59 49 40,5	13,049	22
40319	Delphinus	8	42 21,53	2,832	76 49 19,2	13,052	104
40320	Equuleus	9	20 42 23,41	+2,977	84 47 33,2	-13,054	188

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40321	Delphinus	8	20 42 27.26	+2,900	80 30 13.2	-13,058	115
40322	Capricornus ..	8	42 27.33	3,345	105 9 55.9	13,058	177
40323	Delphinus	8½	42 27.60	2,900	80 30 12.9	13,058	109
40324	Cygnus	8½	42 28.42	2,239	50 41 35.3	13,059	13
40325	Capricornus ..	8	42 34.29	3,625	118 40 41.1	13,066	180
40326	Aquarius	8	42 37.46	3,123	92 59 7.8	13,069	183
40327	Aquarius	8½	42 37.70	3,140	93 59 12.4	13,070	184
40328	Cygnus	6½	42 37.95	1,809	38 49 37.4	13,070	301
40329	Delphinus	9	42 39.85	2,785	74 20 49.3	13,072	116
40330	Capricornus ..	8	42 41.62	3,434	109 44 29.7	13,074	178
40331	Aquarius	9	42 42.36	3,293	102 23 59.8	13,075	114
40332	Aquarius	9	42 47.92	3,321	103 56 47.4	13,081	176
40333	Cygnus	9	42 52.73	2,169	48 22 33.1	13,086	238
40334	Cygnus	6½	42 58.00	2,386	55 59 17.5	13,092	19
40335	Vulpecula	6	42 58.37	2,542	62 29 24.8	13,092	239
40336	Vulpecula	6	42 58.82	2,542	62 29 31.9	13,093	24
40337	Cygnus	5	42 59.03	2,105	46 24 45.7	13,093	1
40338	Vulpecula	8	42 59.22	2,648	67 24 39.3	13,093	30
40339	Cygnus	8	43 1.08	2,355	54 49 3.2	13,095	16
40340	Cygnus	7	43 8.44	2,024	44 4 41.2	13,103	241
40341	Capricornus ..	8	43 11.98	3,472	111 41 44.0	13,107	179
40342	Aquarius	9	43 12.38	3,077	90 25 9.2	13,108	189
40343	Equuleus	9	43 14.27	2,964	84 1 39.3	13,110	188
40344	Vulpecula	8½	43 18.77	2,714	70 36 57.4	13,115	32
40345	Aquarius	6	43 19.13	+3,205	97 38 5.5	13,115	236
40346	Cepheus	7½	43 19.25	-2,001	11 17 10.7	13,115	361
40347	Cygnus	8	43 19.53	+1,890	40 36 44.8	13,116	359
40348	Capricornus ..	7½	43 22.06	3,429	109 32 36.9	13,118	178
40349	Aquarius	9	43 23.84	3,320	103 54 17.0	13,121	176
40350	Cygnus	7½	43 24.56	2,170	48 21 32.9	13,121	238
40351	Cygnus	7½	43 24.56	2,170	48 21 32.4	13,121	2
40352	Aquarius	7	43 24.72	3,030	87 44 44.5	13,121	95
40353	Capricornus ..	6	43 28.97	3,411	108 40 13.2	13,126	177
40354	Aquarius	7	43 32.54	3,163	95 17 22.7	13,130	183
40355	Delphinus	9	43 32.87	2,917	81 25 52.2	13,131	102
40356	Aquarius	7	43 33.16	3,163	95 17 27.8	13,131	100
40357	Vulpecula	5½	43 33.73	2,569	63 38 36.1	13,131	239
40358	Vulpecula	4½	43 34.22	2,569	63 38 38.5	13,132	26
40359	Aquarius	9	43 35.89	3,234	99 15 34.0	13,134	112
40360	Aquarius	9	20 43 37.36	+3,240	99 34 26.2	-13,135	112

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40361	Equuleus	8	20 43 42,36	+2,974	84 34 38,3	-13,141	188
40362	Delphinus	9	43 46,41	2,846	77 30 38,5	13,145	109
40363	Capricornus ..	8	43 46,49	3,360	106 1 55,2	13,145	177
40364	Aquarius	9	43 48,05	3,058	89 19 22,7	13,147	189
40365	Aquarius	8½	43 50,46	3,210	97 55 40,8	13,150	236
40366	Cygnus	8	43 52,37	2,255	51 5 22,0	13,152	13
40367	Cygnus	6	43 52,59	2,436	57 53 44,3	13,152	242
40368	Cygnus	8	43 53,96	2,263	51 21 40,4	13,154	14
40369	Cygnus	7½	43 54,11	2,262	51 20 55,3	13,154	13
40370	Delphinus	8	43 55,55	2,788	74 24 10,9	13,155	116
40371	Aquarius	8	43 59,87	3,241	99 37 52,2	13,160	112
40372	Aquarius	9	44 3,64	3,017	87 11 42,4	13,164	107
40373	Cygnus	•	44 4,49	2,391	56 5 11,1	13,165	19
40374	Equuleus	8	44 5,13	3,013	86 47 36,9	13,166	107
40375	Equuleus	8	44 5,26	3,013	86 47 35,1	13,166	190
40376	Delphinus	9	44 5,74	2,874	79 2 24,5	13,167	106
40377	Delphinus	9	44 6,06	2,785	74 14 54,7	13,167	116
40378	Cygnus	8	44 6,66	1,786	38 9 18,3	13,168	301
40379	Cygnus	8½	44 7,16	2,165	48 6 55,4	13,168	238
40380	Delphinus	9	44 9,55	2,789	74 28 28,9	13,171	117
40381	Vulpecula	7	44 9,68	+2,617	65 49 48,6	13,171	29
40382	Cepheus	9	44 13,85	-1,917	11 26 0,2	13,176	361
40383	Delphinus	8	44 20,08	+2,887	79 44 43,3	13,182	115
40384	Cygnus	8	44 20,20	1,978	42 43 0,0	13,183	388
40385	Cygnus	8½	44 20,58	2,364	55 0 38,8	13,183	16
40386	Capricornus ..	8½	44 21,98	3,423	109 19 57,2	13,184	178
40387	Aquarius	7½	44 23,71	3,210	97 55 14,0	13,186	236
40388	Aquarius	8½	44 28,24	3,285	102 3 57,7	13,191	114
40389	Aquarius	9½	44 28,98	3,086	90 54 24,8	13,192	189
40390	Aquarius	8½	44 29,16	3,285	102 4 4,2	13,192	570
40391	Capricornus ..	7½	44 29,89	3,394	107 51 48,8	13,193	177
40392	Delphinus	9	44 31,30	2,900	80 27 18,1	13,195	109
40393	Cygnus	7	44 31,84	2,521	61 24 54,8	13,195	24
40394	Aquarius	8	44 32,74	3,107	92 7 34,4	13,196	184
40395	Cygnus	8½	44 33,78	2,465	59 1 19,3	13,197	242
40396	Aquarius	8	44 37,06	3,095	91 27 14,9	13,201	184
40397	Cygnus	7	44 38,31	2,526	61 37 9,1	13,202	24
40398	Aquarius	8	44 39,59	3,019	87 8 27,2	13,204	107
40399	Aquarius	8	44 39,89	3,019	87 8 30,5	13,204	190
40400	Cygnus	7½	20 44 40,37	+2,262	51 14 40,8	-13,205	13

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40401	Cygnus	7	20 44 40.46	+2,262	51 14 43.8	-13,205	14
40402	Delphinus	8½	44 43.71	2,886	79 40 23.0	13,208	115
40403	Cygnus	6	44 43.83	2,514	61 5 40.8	13,208	22
40404	Cygnus	6	44 44.38	2,514	61 5 43.5	13,209	24
40405	Aquarius	7	44 47.22	3,107	92 7 37.4	13,212	184
40406	Cygnus	8	44 50.58	2,387	55 50 9.5	13,216	19
40407	Cygnus	8	44 51.08	1,992	43 2 23.1	13,216	388
40408	Aquarius	8	44 51.38	3,030	87 43 5.8	13,217	95
40409	Delphinus	8	44 51.69	2,868	78 40 34.6	13,217	106
40410	Capricornus ..	8	44 52.41	3,396	107 59 51.5	13,218	177
40411	Capricornus ..	7½	44 52.74	3,583	117 2 48.9	13,218	175
40412	Capricornus ..	5½	44 52.77	3,583	117 2 50.2	13,218	569
40413	Capricornus ..	6	44 52.89	3,583	117 2 50.3	13,219	180
40414	Vulpecula	8	44 56.48	2,625	66 7 42.5	13,222	29
40415	Aquarius	6	44 58.63	3,051	88 56 15.7	13,225	95
40416	Delphinus	8	44 59.03	+2,880	79 18 32.4	13,225	115
40417	Cepheus	9	45 0.71	-1,799	11 40 5.0	13,227	361
40418	Aquarius	8½	45 0.80	+3,150	94 33 49.3	13,227	183
40419	Delphinus	9	45 1.00	2,789	74 23 17.5	13,227	117
40420	Cygnus	7½	45 3.65	1,799	38 20 59.3	13,230	301
40421	Cygnus	6	45 4.81	1,799	38 20 57.8	13,230	374
40422	Cygnus	7½	45 4.09	2,392	55 59 45.5	13,231	19
40423	Aquarius	9	45 4.22	3,288	102 15 52.0	13,231	570
40424	Delphinus	8	45 4.72	2,724	70 59 50.0	13,231	32
40425	Delphinus	8½	45 5.05	2,794	74 39 21.9	13,232	117
40426	Delphinus	9	45 5.30	2,899	80 22 16.6	13,232	109
40427	Cygnus	9	45 8.13	2,173	48 15 58.3	13,235	238
40428	Cygnus	8	45 9.96	1,917	41 5 20.1	13,237	359
40429	Cygnus	8	45 10.80	2,030	44 5 43.5	13,238	241
40430	Cygnus	8	45 14.42	2,485	59 47 54.0	13,242	22
40431	Cygnus	8	45 15.52	2,189	48 46 8.5	13,243	2
40432	Equuleus	7½	45 16.61	2,950	83 13 14.9	13,244	102
40433	Equuleus	7½	45 17.00	2,950	83 13 16.7	13,245	188
40434	Cygnus	7	45 17.93	2,469	59 7 31.2	13,246	242
40435	Delphinus	9	45 20.31	2,900	80 25 24.6	13,248	109
40436	Cygnus	9	45 21.06	1,917	41 2 56.9	13,249	359
40437	Capricornus ..	9	45 21.42	3,525	114 25 1.6	13,250	174
40438	Aquarius	8½	45 23.42	3,147	94 26 2.9	13,252	183
40439	Cygnus	9	45 32.24	1,918	41 3 38.8	13,262	359
40440	Capricornus ..	8	20 45 32.76	+3,350	105 36 19.3	-13,262	177

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40441	Capricornus ..	8	20 45 34.97	+3,529	114 36 4.6	-13,264	174
40442	Cygnus	9	45 37.68	2,171	48 8 27.1	13,268	238
40443	Cygnus	8	45 38.61	2,381	55 31 21.7	13,268	19
40444	Equuleus	7	45 39.04	3,004	86 13 21.1	13,269	107
40445	Equuleus	7	45 39.68	3,003	86 13 18.5	13,270	190
40446	Aquarius	8	45 45.73	3,211	98 1 33.0	13,276	236
40447	Delphinus	8	45 46.95	2,773	73 29 31.2	13,278	187
40448	Delphinus	8	45 47.39	2,773	73 29 34.0	13,278	117
40449	Cygnus	8	45 50.14	2,358	54 36 53.5	13,281	16
40450	Aquarius	6½	45 50.16	3,145	94 19 2.5	13,281	183
40451	Vulpecula	8	45 50.82	2,532	61 46 14.7	13,282	24
40452	Aquarius	8½	45 54.73	3,089	91 6 56.9	13,286	189
40453	Delphinus	7½	45 58.36	2,948	83 5 6.4	13,290	102
40454	Delphinus	8	45 58.59	2,948	83 4 59.2	13,290	188
40455	Aquarius	8	45 59.64	3,208	97 42 35.0	13,291	236
40456	Vulpecula	5½	46 2.10	2,553	62 41 43.2	13,294	239
40457	Vulpecula	5	46 2.31	2,549	62 31 40.9	13,294	26
40458	Aquarius	6	46 4.92	3,254	100 27 15.4	13,297	112
40459	Delphinus	6	46 5.74	2,860	78 11 17.3	13,298	106
40460	Equuleus	8½	46 7.18	2,972	84 25 16.1	13,300	188
40461	Delphinus	6	46 8.45	2,839	77 1 56.0	13,301	104
40462	Cygnus	6	46 9.42	2,179	48 20 27.6	13,302	2
40463	Cygnus	7.	46 9.65	2,179	48 20 32.1	13,302	238
40464	Aquarius	8½	46 12.34	3,117	92 42 14.3	13,305	184
40465	Capricornus ..	9	46 12.95	3,480	112 18 48.8	13,306	179
40466	Aquarius	8½	46 14.15	3,101	91 49 12.2	13,307	184
40467	Cygnus	7	46 15.08	2,221	49 42 1.3	13,308	13
40468	Aquarius	7½	46 16.12	3,147	94 25 52.6	13,310	183
40469	Delphinus	8½	46 17.75	2,879	79 52 35.6	13,311	109
40470	Cygnus	9	46 19.15	1,917	40 57 39.2	13,313	359
40471	Cygnus	6	46 19.57	2,089	45 34 7.9	13,313	241
40472	Cygnus	6	46 20.10	2,089	45 34 13.0	13,314	1
40473	Aquarius	8½	46 20.75	3,052	88 58 21.3	13,314	95
40474	Cygnus	9	46 24.22	2,171	48 3 9.7	13,318	238
40475	Delphinus	9	46 25.63	2,859	78 7 40.0	13,320	106
40476	Capricornus ..	6	46 27.90	3,371	106 47 23.6	13,322	178
40477	Delphinus	8	46 29.04	2,836	76 52 17.6	13,323	104
40478	Vulpecula	8	46 29.23	2,553	62 39 33.0	13,324	239
40479	Delphinus	8½	46 29.55	2,773	73 29 1.0	13,324	187
40480	Vulpecula	7½	20 46 30.00	+2,713	70 21 18.7	-13,325	32

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40481	Delphinus	8	20 46 30,09	+2,773	73 28 59,7	-13,325	117
40482	Cygnus	9	46 32,62	2,091	45 35 47,9	13,328	1
40483	Aquarius	9½	46 36,98	3,084	90 50 10,0	13,332	189
40484	Aquarius	7	46 38,03	3,053	89 1 45,3	13,333	95
40485	Cygnus	7½	46 38,56	+2,447	58 3 2,7	13,334	242
40486	Draco	9½	46 41,09	-0,576	15 19 20,0	13,337	361
40487	Delphinus	9	46 41,12	+2,859	78 3 57,8	13,337	106
40488	Capricornus . .	9½	46 41,40	3,475	112 5 40,6	13,337	179
40489	Cepheus	5½	46 42,30	1,680	35 41 59,6	13,338	303
40490	Vulpecula	8	46 42,66	2,615	65 31 17,9	13,338	29
40491	Cygnus	8	46 48,08	1,979	42 29 8,2	13,344	388
40492	Cygnus	6½	46 51,87	2,246	50 27 24,8	13,348	13
40493	Cygnus	7	46 52,78	2,421	56 59 29,7	13,349	19
40494	Cygnus	7½	46 53,54	2,336	53 40 50,0	13,350	16
40495	Cygnus	6	46 53,61	2,234	50 3 2,4	13,350	13
40496	Aquarius	7	46 56,31	3,075	90 17 28,8	13,353	189
40497	Aquarius	7½	46 59,13	+3,218	98 28 22,3	13,357	236
40498	Draco	9½	47 1,81	-0,614	15 9 12,5	13,359	361
40499	Aquarius	7½	47 4,62	+3,295	102 43 1,0	13,362	570
40500	Aquarius	8	47 5,01	3,295	102 42 54,5	13,363	114
40501	Cygnus	8	47 6,16	2,095	45 38 44,6	13,364	1
40502	Delphinus	8	47 6,31	2,822	76 4 24,2	13,364	104
40503	Delphinus	8	47 12,43	2,853	77 45 59,2	13,371	106
40504	Aquarius	8½	47 12,47	3,122	93 0 27,7	13,371	184
40505	Equuleus	8½	47 13,61	2,994	85 40 48,1	13,372	190
40506	Cygnus	7½	47 13,74	2,448	58 4 5,6	13,372	242
40507	Equuleus	8	47 13,90	2,990	85 26 57,9	13,373	107
40508	Aquarius	9½	47 15,28	3,072	90 9 30,5	13,374	189
40509	Delphinus	9	47 17,59	2,775	73 30 29,4	13,376	117
40510	Delphinus	9	47 17,72	2,890	79 46 54,9	13,377	109
40511	Equuleus	8½	47 23,02	2,989	85 24 1,0	13,382	188
40512	Equuleus	8½	47 23,06	2,989	85 24 1,5	13,382	190
40513	Vulpecula	8	47 23,15	2,541	62 3 26,0	13,382	239
40514	Equuleus	8	47 23,62	2,999	85 58 3,9	13,383	107
40515	Vulpecula	7½	47 23,78	2,541	62 3 31,2	13,383	24
40516	Cygnus	8	47 25,05	1,933	41 13 18,4	13,384	388
40517	Cygnus	8	47 25,09	1,976	42 19 0,6	13,384	388
40518	Vulpecula	6½	47 28,25	2,566	63 10 59,1	13,388	26
40519	Cygnus	8	47 29,53	2,279	51 32 18,6	13,389	14
40520	Cygnus	8	20 47 29,78	+2,462	58 35 17,1	-13,390	242

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40521	Aquarius	8	20 47 32.21	+3,320	104 7 21.9	-13,392	176
40522	Capricornus ..	6	47 36.54	+3,341	105 14 43.1	13,397	176
40523	Draco	7½	47 36.58	-3,425	8 42 46.7	13,397	365
40524	Capricornus ..	6½	47 36.95	+3,594	117 45 50.6	13,397	569
40525	Capricornus ..	8	47 37.51	3,594	117 46 29.0	13,398	180
40526	Cygnus	8	47 38.31	2,464	58 39 48.0	13,399	242
40527	Vulpecula	9	47 38.63	2,545	62 11 5.1	13,399	239
40528	Cygnus	8	47 39.12	2,417	56 43 57.0	13,400	19
40529	Capricornus ..	8½	47 41.07	3,425	109 40 30.7	13,402	178
40530	Delphinus	9	47 41.19	2,887	79 34 59.4	13,402	109
40531	Cygnus	8	47 45.16	2,096	45 37 15.9	13,406	1
40532	Delphinus	8	47 45.59	2,778	73 39 43.4	13,407	117
40533	Cygnus	7	47 47.03	2,058	44 31 27.3	13,408	241
40534	Equuleus	7½	47 47.28	3,010	86 34 2.5	13,408	190
40535	Vulpecula	8	47 48.24	2,568	63 15 15.0	13,410	26
40536	Capricornus ..	8	47 55.75	3,455	111 12 31.3	13,418	179
40537	Aquarius	9	47 57.34	3,114	92 32 19.4	13,420	184
40538	Cygnus . . . . .	.	47 58.06	2,289	51 51 15.8	13,420	14
40539	Cygnus	7	48 0.23	2,182	48 14 40.4	13,423	2
40540	Cygnus	7½	48 1.67	2,183	48 14 44.4	13,424	238
40541	Aquarius	9	48 3.48	3,317	103 58 50.0	13,426	176
40542	Aquarius	9	48 3.88	3,116	92 41 17.7	13,427	184
40543	Delphinus	8½	48 7.14	2,758	72 34 23.3	13,430	187
40544	Vulpecula	8	48 10.42	2,650	67 5 9.1	13,434	29
40545	Equuleus	8	48 10.98	2,953	83 51 57.3	13,434	188
40546	Equuleus	8½	48 11.11	2,995	85 40 47.0	13,434	107
40547	Capricornus ..	8½	48 11.72	3,386	107 38 40.3	13,435	177
40548	Capricornus ..	6½	48 13.13	3,427	109 48 1.5	13,437	178
40549	Cygnus	6	48 14.19	2,156	47 23 31.4	13,438	2
40550	Delphinus	8½	48 15.65	2,756	72 27 52.1	13,439	187
40551	Aquarius	7	48 16.52	3,150	94 36 23.4	13,440	183
40552	Cygnus	7½	48 17.12	2,056	44 24 21.1	13,441	241
40553	Aquarius	9	48 21.46	3,271	101 28 43.9	13,446	114
40554	Aquarius	8½	48 21.69	3,271	101 28 39.1	13,446	570
40555	Capricornus ..	8	48 21.82	3,600	118 6 18.7	13,446	180
40556	Capricornus ..	6½	48 22.35	3,600	118 6 27.2	13,446	569
40557	Aquarius	8	48 22.73	3,140	94 4 7.0	13,447	183
40558	Capricornus ..	9	48 24.00	3,500	113 28 17.0	13,448	174
40559	Aquarius	9	48 26.94	3,263	101 1 7.7	13,452	112
40560	Aquarius	8	20 48 28.03	+3,203	97 40 15.3	-13,453	236

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40561	Delphinus	9	20 48 30.03	+2,863	78 13 17.4	-13,455	106
40562	Delphinus	8	48 30.45	2,930	81 57 49.2	13,456	102
40563	Cygnus	8	48 30.56	2,359	54 22 55.3	13,456	16
40564	Delphinus	9	48 33.12	2,897	80 7 29.2	13,458	115
40565	Delphinus	8	48 33.77	2,897	80 7 28.8	13,459	109
40566	Equuleus	8	48 45.50	2,938	82 24 58.0	13,472	102
40567	Delphinus	5½	48 48.02	2,894	79 55 22.4	13,475	109
40568	Delphinus	6	48 48.03	2,894	79 55 21.8	13,475	115
40569	Delphinus	8	48 50.09	2,780	73 40 36.1	13,477	117
40570	Vulpecula	6	48 50.43	2,658	68 25 41.7	13,477	30
40571	Aquarius	7	48 54.30	3,313	103 49 9.9	13,481	176
40572	Vulpecula	7	48 56.04	2,594	64 21 47.6	13,483	26
40573	Capricornus . .	9	48 57.12	3,592	117 49 3.2	13,484	180
40574	Cygnus . . . . .	.	48 58.69	2,157	47 20 19.0	13,486	2
40575	Equuleus	9	49 1.33	2,973	84 25 52.4	13,489	188
40576	Cygnus	6½	49 2.84	2,175	47 52 46.5	13,491	2
40577	Cygnus	7½	49 3.28	2,178	47 59 33.8	13,491	238
40578	Equuleus	6	49 4.19	3,008	86 27 49.9	13,492	190
40579	Equuleus	6½	49 4.36	3,008	86 27 49.3	13,492	107
40580	Equuleus	8½	49 5.04	3,008	86 27 49.9	13,493	190
40581	Cygnus	6½	49 5.13	2,021	43 20 31.6	13,493	241
40582	Equuleus	8	49 5.36	3,008	86 27 49.3	13,493	107
40583	Cygnus	8	49 5.85	2,033	43 39 45.0	13,494	241
40584	Delphinus	8	49 7.60	2,776	73 29 28.6	13,496	117
40585	Vulpecula	7½	49 8.48	2,640	66 30 38.9	13,497	29
40586	Aquarius	8½	49 10.55	3,108	92 13 58.2	13,499	184
40587	Delphinus	8	49 13.57	2,792	74 19 41.7	13,502	117
40588	Cygnus	7	49 14.55	2,389	55 27 12.8	13,503	19
40589	Delphinus	8	49 15.02	2,820	75 49 57.9	13,504	104
40590	Cygnus	7	49 15.41	2,128	46 23 17.0	13,504	1
40591	Aquarius	9	49 15.64	3,064	89 39 41.7	13,504	189
40592	Aquarius	7½	49 16.22	+3,269	101 23 51.3	13,505	114
40593	Draco	9½	49 16.48	-0,683	14 45 36.6	13,505	361
40594	Aquarius	8	49 16.68	+3,269	101 23 39.7	13,506	112
40595	Aquarius	7½	49 16.90	3,269	101 23 49.9	13,506	570
40596	Aquarius	9	49 17.66	+3,064	89 42 29.8	13,506	189
40597	Cepheus	9	49 18.43	-1,613	11 55 22.4	13,507	361
40598	Aquarius	8	49 19.71	+3,068	89 54 29.2	13,509	189
40599	Aquarius	8	49 20.70	3,321	104 16 1.9	13,510	176
40600	Vulpecula	7½	20 49 22.46	+2,647	66 51 40.2	-13,512	29

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40601	Vulpecula	7	20	49	24.65	+2,665	67	43	9.7	-13,514	30
40602	Aquarius	8		49	26.13	3,276	101	46	35.7	13,515	114
40603	Aquarius	8		49	26.67	3,276	101	46	53.5	13,516	570
40604	Cygnus	6½		49	27.89	2,180	47	59	32.3	13,517	2
40605	Delphinus	8		49	28.07	2,793	74	20	32.6	13,518	117
40606	Cygnus	8		49	28.33	2,176	47	52	52.6	13,518	238
40607	Capricornus ..	9		49	28.48	3,437	110	41	14.9	13,518	178
40608	Equuleus	8½		49	30.48	2,933	82	7	49.1	13,520	102
40609	Equuleus	9		49	32.42	2,982	84	54	37.2	13,522	188
40610	Cygnus	6		49	32.56	2,110	45	50	20.3	13,522	1
40611	Aquarius	9		49	33.14	3,064	89	40	16.6	13,523	189
40612	Cygnus	8		49	34.91	2,530	61	22	15.4	13,525	24
40613	Capricornus ..	6½		49	35.39	3,396	108	18	2.0	13,526	177
40614	Capricornus ..	6		49	35.89	3,396	108	18	1.9	13,526	178
40615	Cygnus	8½		49	37.39	2,533	61	29	26.4	13,528	24
40616	Capricornus ..	8		49	37.93	3,502	113	38	52.7	13,528	174
40617	Capricornus ..	8½		49	38.00	3,502	113	38	53.2	13,528	185
40618	Delphinus	8		49	39.12	2,766	72	53	54.2	13,530	187
40619	Cygnus v	4		49	43.40	2,229	49	35	45.4	13,534	238
40620	Cygnus	8½		49	45.02	2,487	59	27	51.4	13,536	242
40621	Cygnus .....	.		49	45.36	2,487	59	27	53.4	13,536	22
40622	Capricornus ..	8		49	47.07	3,506	113	51	1.0	13,538	174
40623	Capricornus ..	8		49	47.16	3,506	113	50	57.4	13,538	185
40624	Capricornus ..	5½		49	51.10	3,587	117	39	10.8	13,543	569
40625	Capricornus ..	6		49	51.30	3,587	117	39	9.9	13,543	180
40626	Cygnus	6		49	52.17	2,509	60	22	15.4	13,544	22
40627	Cygnus	7		49	52.62	1,957	41	34	7.3	13,544	388
40628	Delphinus	8		49	54.32	2,809	75	11	41.7	13,546	104
40629	Cygnus .....	.		49	54.98	1,881	39	41	19.6	13,547	374
40630	Cygnus	7		49	55.83	1,881	39	41	19.2	13,548	359
40631	Cygnus	8		49	56.30	2,525	61	5	17.0	13,548	239
40632	Cygnus	8		49	56.95	2,524	61	5	21.9	13,549	24
40633	Aquarius	6		49	57.52	3,178	96	14	44.3	13,549	236
40634	Aquarius	6		49	58.26	3,183	96	34	49.4	13,550	100
40635	Cygnus	7		49	59.48	2,274	51	6	3.9	13,552	13
40636	Aquarius	8½		50	1.32	3,228	99	6	58.1	13,553	112
40637	Aquarius	5½		50	1.53	3,164	95	29	33.9	13,554	100
40638	Aquarius	6		50	1.57	3,164	95	29	31.9	13,554	236
40639	Equuleus	8½		50	3.56	3,012	86	38	17.1	13,556	107
40640	Cygnus	20	50	4.11	+1,896	40	2	4.2	-13,557	374

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40641	Cygnus	6	20	50	4.56	+1.896	40	2	1.4	-13.557	359
40642	Aquarius	7½		50	6.45	3.321	104	18	5.9	13.559	176
40643	Aquarius	8		50	6.88	3.175	96	7	36.9	13.560	100
40644	Vulpecula	8		50	6.98	2.680	68	25	7.1	13.560	30
40645	Cygnus	6½		50	8.30	2.192	48	19	23.2	13.561	2
40646	Cygnus .....	.		50	8.85	2.192	48	19	26.9	13.562	238
40647	Cygnus	8		50	10.07	2.262	50	38	45.3	13.563	13
40648	Cygnus	8½		50	10.35	2.057	44	13	7.3	13.563	241
40649	Equuleus	7		50	13.19	2.953	83	15	15.2	13.566	188
40650	Aquarius	8½		50	18.41	3.099	91	41	23.6	13.572	184
40651	Aquarius	8		50	18.85	3.055	89	9	38.1	13.572	95
40652	Cygnus	7½		50	23.10	2.258	50	29	29.1	13.577	13
40653	Capricornus ..	8½		50	23.18	3.375	107	12	24.7	13.577	178
40654	Cygnus	8		50	26.12	2.481	59	7	22.8	13.580	242
40655	Aquarius	9		50	26.96	3.270	101	31	28.3	13.581	114
40656	Cygnus	8½		50	29.80	2.060	44	15	24.2	13.584	241
40657	Delphinus	7½		50	32.59	2.787	73	56	41.7	13.587	117
40658	Cygnus	8		50	39.17	2.407	56	2	32.8	13.594	19
40659	Aquarius	9½		50	39.90	3.320	104	16	51.6	13.595	176
40660	Aquarius	8½		50	41.10	3.142	94	12	45.7	13.596	183
40661	Aquarius	8½		50	41.34	3.055	89	9	15.9	13.596	95
40662	Equuleus ....	.		50	41.62	3.007	86	22	18.5	13.597	107
40663	Vulpecula	9		50	42.47	2.725	70	42	4.2	13.597	32
40664	Aquarius	8½		50	46.48	3.096	91	32	28.4	13.602	184
40665	Delphinus	8		50	46.48	2.753	72	9	6.0	13.602	187
40666	Equuleus	8½		50	51.57	2.941	82	33	49.4	13.608	102
40667	Equuleus	8½		50	51.86	2.910	80	46	37.0	13.608	109
40668	Aquarius	8		50	52.36	3.065	89	44	17.4	13.609	189
40669	Cygnus	8½		51	1.18	2.414	56	17	5.8	13.618	19
40670	Delphinus	7½		51	2.86	2.910	80	46	38.0	13.620	109
40671	Delphinus	7½		51	3.47	2.728	70	48	45.1	13.620	32
40672	Aquarius	8		51	4.15	3.287	102	28	10.0	13.621	114
40673	Aquarius	7½		51	4.18	3.287	102	28	9.4	13.621	570
40674	Equuleus	8½		51	4.54	2.944	82	42	25.7	13.621	102
40675	Cygnus .....	.		51	5.14	1.913	40	18	37.0	13.622	374
40676	Cygnus	8½		51	5.79	2.064	44	18	1.8	13.623	241
40677	Capricornus ..	8		51	6.87	3.390	108	5	3.3	13.624	177
40678	Aquarius	8		51	10.15	3.065	89	42	7.3	13.627	189
40679	Cygnus		51	10.44	2.132	46	18	5.7	13.628	1
40680	Aquarius	8	20	51	10.46	+3.154	94	54	18.3	-13.628	183

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40681	Capricornus ..	6½	20	51	12,71	+3,603	118	30	26,5	-13,630	569
40682	Delphinus	7		51	19,35	2,740	71	26	21,8	13,637	188
40683	Equuleus	8½		51	20,89	2,914	81	0	41,2	13,638	109
40684	Capricornus ..	7½		51	21,81	3,427	110	1	27,2	13,640	178
40685	Delphinus	8		51	22,53	2,802	74	42	31,4	13,641	117
40686	Aquarius ....	.		51	22,68	3,057	89	16	17,0	13,641	95
40687	Capricornus ..	8		51	25,98	3,357	106	19	43,6	13,644	178
40688	Aquarius	7½		51	26,56	3,300	103	13	20,4	13,645	570
40689	Aquarius	7½		51	27,88	3,300	103	13	18,4	13,646	176
40690	Capricornus ..	8½		51	28,48	3,481	112	44	41,1	13,647	179
40691	Cygnus	8½		51	28,68	+2,356	54	20	34,4	13,647	16
40692	Cepheus.....	8½		51	29,09	-1,745	11	30	25,3	13,647	361
40693	Cygnus	8		51	31,34	+2,061	44	10	6,8	13,650	241
40694	Cepheus.....	9		51	33,77	-1,743	11	30	29,9	13,653	351
40695	Delphinus	8		51	34,44	+2,876	78	49	14,1	13,654	106
40696	Delphinus	9		51	35,79	2,908	80	39	2,9	13,655	116
40697	Cygnus	9		51	36,19	1,982	42	0	32,7	13,655	388
40698	Cygnus	8		51	36,54	2,268	50	42	41,7	13,656	13
40699	Delphinus	8		51	36,84	2,908	80	39	3,5	13,656	109
40700	Aquarius	8		51	37,17	3,277	101	57	26,7	13,656	114
40701	Equuleus	8½		51	37,67	2,960	83	36	33,6	13,657	188
40702	Aquarius	8		51	41,03	+3,246	100	13	23,6	13,660	112
40703	Draco.....	9		51	44,32	-0,585	14	59	54,1	13,664	361
40704	Capricornus ..	9		51	44,88	+3,428	110	5	32,7	13,664	178
40705	Cygnus	7		51	45,06	2,464	58	16	34,5	13,665	242
40706	Cygnus	6		51	45,07	2,148	46	42	42,9	13,665	1
40707	Aquarius	7½		51	46,19	3,256	100	46	25,5	13,666	112
40708	Equuleus	9		51	52,20	2,911	80	46	34,0	13,672	115
40709	Delphinus	8½		51	54,33	2,812	75	13	59,8	13,674	104
40710	Aquarius	8½		51	57,26	3,260	101	0	9,3	13,678	112
40711	Cygnus	8		51	58,22	2,075	44	30	56,1	13,679	241
40712	Equuleus	8		51	58,29	3,019	87	0	34,2	13,679	107
40713	Equuleus ....	.		51	58,70	3,019	87	0	39,4	13,679	95
40714	Equuleus	8		51	59,40	2,954	83	14	44,7	13,680	188
40715	Cygnus	6		52	0,83	2,304	51	56	57,9	13,681	14
40716	Cygnus	7		52	2,17	2,203	48	26	56,5	13,683	238
40717	Cygnus .....	.		52	2,57	2,203	48	26	57,2	13,684	2
40718	Equuleus	8		52	3,20	2,911	80	46	33,9	13,684	116
40719	Capricornus ..	8		52	4,17	3,392	108	14	48,0	13,685	177
40720	Cygnus	7	20	52	5,77	+1,917	40	18	32,4	-13,687	359

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40721	Capricornus ..	8	20	52	5.91	+3,528	115	5	56.4	-13,687 174
40722	Vulpecula	8½		52	6.06	2,633	65	54	35.8	13,687 29
40723	Capricornus ..	8½		52	6.14	3,527	115	6	10.8	13,687 185
40724	Capricornus ..	9		52	6.56	3,343	105	36	28.5	13,687 178
40725	Cygnus	8½		52	9.80	2,069	44	19	54.8	13,691 241
40726	Aquarius	8½		52	14.63	3,274	101	49	34.0	13,696 114
40727	Aquarius	8		52	15.32	3,274	101	49	32.9	13,697 570
40728	Cygnus	6		52	16.13	2,265	50	31	31.1	13,698 13
40729	Aquarius	8		52	16.46	3,209	98	5	42.8	13,698 236
40730	Equuleus	7½		52	20.73	2,960	83	35	50.4	13,702 111
40731	Cygnus	8½		52	21.32	2,355	53	48	42.4	13,703 16
40732	Delphinus	8		52	23.55	2,812	75	14	6.7	13,706 117
40733	Capricornus ..	9		52	24.93	3,596	118	18	41.7	13,707 180
40734	Capricornus ..	8½		52	24.96	3,596	118	18	52.3	13,707 569
40735	Cygnus	7½		52	25.14	2,145	46	32	50.6	13,707 1
40736	Capricornus ..	9		52	27.41	3,433	110	23	59.8	13,710 178
40737	Delphinus	8		52	27.58	2,852	77	27	4.6	13,710 106
40738	Cygnus	8½		52	30.57	2,474	58	35	58.7	13,713 242
40739	Equuleus	7		52	37.33	3,026	87	25	39.2	13,720 95
40740	Aquarius	8		52	37.58	3,306	103	37	49.0	13,721 176
40741	Aquarius	8		52	38.56	3,060	89	24	39.2	13,722 189
40742	Aquarius	6		52	40.53	3,099	91	42	16.0	13,724 184
40743	Cygnus	8½		52	41.20	2,217	48	50	43.1	13,724 2
40744	Capricornus ..	7½		52	43.48	3,403	108	53	28.0	13,727 177
40745	Cygnus	7½		52	46.42	2,121	45	46	41.4	13,730 1
40746	Aquarius	8		52	47.13	3,105	92	5	16.8	13,731 184
40747	Vulpecula	8		52	47.16	2,708	69	40	29.2	13,731 32
40748	Aquarius	7		52	51.67	3,175	96	9	12.0	13,736 100
40749	Aquarius ....	.		52	53.22	3,057	89	14	34.2	13,737 95
40750	Aquarius	8		52	53.95	3,054	89	5	7.4	13,738 189
40751	Aquarius	7		52	54.22	3,057	89	14	38.7	13,738 189
40752	Equuleus	8½		52	59.49	2,994	85	32	13.8	13,744 107
40753	Capricornus .η	5		53	0.26	3,436	110	38	6.5	13,745 178
40754	Vulpecula	7½		53	2.54	2,659	67	6	38.8	13,747 29
40755	Delphinus	7		53	3.63	2,882	79	7	19.5	13,748 109
40756	Aquarius	8½		53	3.85	3,253	100	40	59.7	13,749 112
40757	Cygnus	8		53	4.38	2,347	53	24	46.7	13,749 16
40758	Vulpecula	7½		53	7.57	2,567	62	40	30.2	13,753 24
40759	Aquarius	7½		53	7.78	3,110	92	21	40.3	13,753 184
40760	Vulpecula	8	20	53	8.11	+2,567	62	40	25.0	-13,753 239

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40761	Delphinus	8	20 53 9.71	+2,889	79 30 2.1	-13,755	109
40762	Delphinus	8	53 9.82	2,889	79 30 1.5	13,755	116
40763	Cygnus	7½	53 15.19	2,534	61 8 51.6	13,761	22
40764	Cygnus	6½	53 15.56	2,382	54 45 6.0	13,761	16
40765	Aquarius	7½	53 15.89	3,279	102 8 47.0	13,761	114
40766	Aquarius	8	53 16.20	3,279	102 8 43.2	13,762	570
40767	Delphinus	8½	53 23.62	2,860	77 49 39.8	13,770	106
40768	Delphinus	7½	53 26.07	2,806	74 48 41.7	13,772	117
40769	Cygnus	7	53 26.58	1,994	42 5 49.6	13,773	388
40770	Vulpecula	7½	53 28.24	2,686	67 27 16.5	13,774	30
40771	Vulpecula	7	53 28.44	2,666	67 27 20.1	13,775	29
40772	Delphinus	8	53 34.56	2,810	75 1 12.9	13,781	117
40773	Delphinus	•	53 35.68	2,828	76 2 58.5	13,783	104
40774	Capricornus ..	8	53 36.85	3,384	107 56 54.7	13,784	177
40775	Delphinus	9	53 38.58	2,801	74 33 13.3	13,785	117
40776	Cygnus	9	53 40.83	2,476	58 32 41.3	13,788	242
40777	Capricornus ..	9	53 43.50	3,461	111 58 29.7	13,791	179
40778	Vulpecula	9	53 46.17	2,565	62 31 55.8	13,793	239
40779	Aquarius	•	53 46.20	3,203	97 49 54.5	13,793	236
40780	Vulpecula	8	53 47.84	2,697	68 58 12.1	13,795	30
40781	Vulpecula	7½	53 48.55	2,574	62 58 19.3	13,796	239
40782	Vulpecula	7½	53 49.24	2,574	62 58 29.2	13,797	24
40783	Cygnus	8	53 50.13	2,515	60 15 34.4	13,798	22
40784	Cygnus	7	53 51.73	2,260	50 9 31.0	13,799	13
40785	Vulpecula	•	53 52.62	2,609	64 37 28.6	13,800	26
40786	Aquarius	9½	53 53.70	3,145	94 26 0.4	13,801	183
40787	Cygnus	8	53 53.88	2,072	44 11 53.1	13,802	241
40788	Vulpecula	6½	54 0.17	2,602	64 16 22.2	13,808	26
40789	Aquarius	9	54 0.19	3,233	99 33 44.3	13,808	112
40790	Aquarius	8½	54 5.14	3,274	101 52 23.6	13,813	114
40791	Aquarius	8½	54 5.97	3,273	101 52 20.2	13,814	570
40792	Cygnus	8	54 7.02	2,441	57 2 46.3	13,816	19
40793	Equuleus	10	54 10.10	2,993	85 28 30.3	13,819	107
40794	Cygnus	7	54 10.15	2,299	51 31 6.3	13,819	14
40795	Cygnus	7	54 11.72	2,088	44 37 21.5	13,820	241
40796	Aquarius	•	54 14.73	3,165	95 36 14.8	13,823	100
40797	Capricornus ..	9	54 15.41	3,456	111 44 31.4	13,824	179
40798	Vulpecula	8	54 16.67	2,564	62 27 32.5	13,826	239
40799	Vulpecula	7½	54 16.82	2,564	62 27 34.3	13,826	24
40800	Vulpecula	•	20 54 20.51	+2,645	66 19 47.2	-13,830	29

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40801	Vulpecula	8	20 54 25.10	+2,615	64 51 45.6	-13,835	26
40802	Delphinus	9	54 29.27	2,882	79 1 1.2	13,839	106
40803	Capricornus ..	8½	54 32.16	3,342	105 41 33.3	13,842	178
40804	Equuleus	6½	54 34.96	3,033	87 50 36.4	13,845	95
40805	Cygnus	6½	54 35.62	2,154	46 35 24.1	13,846	1
40806	Aquarius	6	54 35.64	3,044	88 30 36.9	13,846	95
40807	Delphinus	8	54 36.70	2,836	76 24 36.7	13,847	104
40808	Equuleus	•	54 36.98	2,990	85 16 57.5	13,847	188
40809	Equuleus	6½	54 37.24	2,990	85 16 54.8	13,847	107
40810	Vulpecula	7½	54 38.07	2,655	66 47 9.7	13,849	29
40811	Cygnus	7½	54 39.08	+2,475	58 25 59.9	13,849	242
40812	Cepheus	9	54 39.21	-1,277	12 33 40.6	13,849	361
40813	Cygnus	6	54 41.16	+2,294	51 16 23.8	13,852	14
40814	Capricornus . θ	5	54 41.22	3,384	108 1 3.8	13,852	177
40815	Equuleus	8	54 42.60	2,951	83 1 30.8	13,853	102
40816	Delphinus	8½	54 44.25	2,756	72 2 52.4	13,855	188
40817	Cygnus	8½	54 54.03	2,484	58 47 6.3	13,865	242
40818	Aquarius	7½	54 55.58	3,040	88 14 10.2	13,867	95
40819	Cygnus	8	54 56.39	2,358	53 38 1.9	13,868	16
40820	Cygnus	8	54 56.84	1,861	38 38 34.3	13,868	301
40821	Cygnus	7	54 59.19	2,549	61 41 27.2	13,870	24
40822	Aquarius	8½	55 0.36	3,264	101 23 52.4	13,872	570
40823	Aquarius	8	55 1.68	3,157	95 8 55.9	13,873	183
40824	Delphinus	8	55 1.81	2,878	78 45 36.6	13,873	106
40825	Delphinus	8½	55 1.93	2,780	73 17 29.2	13,873	117
40826	Aquarius	6½	55 2.51	3,157	95 8 59.1	13,874	100
40827	Equuleus	7½	55 3.18	2,933	81 56 41.6	13,875	102
40828	Equuleus	7	55 4.90	2,982	84 49 20.4	13,877	188
40829	Aquarius	•	55 10.32	3,233	99 37 24.2	13,882	112
40830	Cygnus	9	55 12.51	2,232	49 1 49.2	13,885	238
40831	Capricornus ..	7	55 14.70	3,499	114 0 19.2	13,887	174
40832	Cygnus	8½	55 15.05	2,370	54 2 26.2	13,887	16
40833	Cygnus	6½	55 16.44	2,138	45 59 37.1	13,889	1
40834	Cygnus	8	55 16.90	2,506	59 43 25.0	13,889	22
40835	Capricornus ..	7	55 17.10	3,439	110 58 8.4	13,889	178
40836	Capricornus ..	6½	55 17.72	3,439	110 58 11.1	13,890	179
40837	Equuleus	8	55 18.57	2,948	82 50 18.2	13,891	102
40838	Delphinus	8	55 19.08	2,871	78 20 27.9	13,892	106
40839	Vulpecula	8	55 22.66	2,608	64 25 45.7	13,895	26
40840	Capricornus A	5½	20 55 24.18	+3,536	115 47 40.6	-13,897	135

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40841	Capricornus ..	6	20 55 24.68	+3.536	115 47 38.1	-13.897	175
40842	Capricornus ..	6½	55 26.16	3.498	113 56 30.5	13.899	174
40843	Cygnus	8½	55 26.44	2.445	57 3 55.6	13.899	19
40844	Equuleus	9½	55 26.51	2.964	83 43 54.7	13.899	188
40845	Cygnus	8	55 28.50	2.144	46 10 33.2	13.902	1
40846	Delphinus	9½	55 28.53	2.866	78 3 56.3	13.902	106
40847	Capricornus ..	7	55 29.06	3.584	118 4 55.2	13.902	569
40848	Cygnus	8	55 30.65	2.103	44 54 27.4	13.904	241
40849	Equuleus	9	55 31.19	2.963	83 41 14.6	13.904	188
40850	Aquarius	8½	55 34.39	3.288	102 44 36.6	13.908	114
40851	Aquarius	8½	55 34.43	3.288	102 44 40.8	13.908	570
40852	Capricornus ..	9	55 36.41	3.437	110 51 27.4	13.910	178
40853	Aquarius	8	55 36.88	3.314	104 17 41.3	13.910	176
40854	Equuleus	8	55 38.40	2.956	83 17 4.6	13.912	188
40855	Cygnus	9	55 45.19	2.236	49 6 30.1	13.919	238
40856	Cygnus	7½	55 46.15	2.105	44 56 7.3	13.920	241
40857	Cygnus	8	55 48.33	2.028	42 45 13.9	13.922	388
40858	Aquarius ....	.	55 52.52	3.180	96 33 7.2	13.927	100
40859	Delphinus	8	55 53.07	2.759	72 7 56.2	13.927	188
40860	Capricornus ..	8	55 53.73	3.445	111 17 41.7	13.928	179
40861	Capricornus ..	7½	55 59.21	3.359	106 45 47.7	13.934	178
40862	Vulpecula	9	55 59.21	2.568	62 28 52.0	13.934	239
40863	Aquarius	8	55 59.90	3.300	103 28 41.3	13.935	176
40864	Cygnus	9	56 1.43	2.494	59 6 56.2	13.936	242
40865	Aquarius	7	56 2.98	3.322	104 42 43.2	13.938	176
40866	Capricornus ..	7½	56 4.57	+3.355	106 31 49.4	13.939	178
40867	Cepheus.....	6	56 9.86	-2.271	10 12 16.8	13.945	365
40868	Cygnus	8½	56 12.32	+1.849	38 12 26.7	13.947	301
40869	Aquarius	7½	56 16.96	3.085	90 53 42.2	13.952	189
40870	Cygnus	9	56 19.35	1.845	38 7 13.3	13.955	301
40871	Delphinus	8	56 19.54	2.792	73 54 12.3	13.955	180
40872	Cygnus	6	56 22.75	2.239	49 9 16.6	13.958	13
40873	Delphinus	7	56 22.91	2.821	75 27 29.4	13.959	117
40874	Cygnus	6½	56 23.06	2.239	49 9 24.9	13.959	238
40875	Delphinus	7	56 23.23	2.821	75 27 27.4	13.959	104
40876	Cygnus	6	56 23.36	2.239	49 9 20.3	13.959	2
40877	Capricornus ..	8½	56 25.38	3.435	110 49 44.0	13.961	178
40878	Equuleus	8½	56 25.42	2.958	83 21 43.0	13.961	188
40879	Aquarius	8½	56 26.54	3.099	91 45 17.9	13.962	184
40880	Vulpecula	9	20 56 26.68	+2.721	70 3 51.9	-13.963	32

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40881	Vulpecula	8	20 56 27.64	+2,636	65 40 39.5	-13,964	29
40882	Vulpecula	8	56 30.14	2,602	64 2 2.8	13,966	26
40883	Delphinus	8½	56 33.70	2,812	74 59 17.7	13,970	117
40884	Aquarius	7	56 33.73	3,096	91 33 42.5	13,970	184
40885	Delphinus	8	56 34.38	2,812	74 59 13.8	13,971	180
40886	Equuleus	7	56 34.88	3,019	86 59 26.4	13,971	107
40887	Capricornus ..	8	56 39.57	3,567	117 24 9.6	13,976	569
40888	Aquarius	8½	56 40.17	3,274	102 3 5.3	13,977	114
40889	Aquarius	8½	56 40.81	3,274	102 3 8.1	13,977	570
40890	Aquarius	8	56 41.97	3,221	98 57 30.0	13,979	112
40891	Aquarius	9	56 42.49	3,221	98 57 27.5	13,979	236
40892	Aquarius	7½	56 43.59	3,222	99 1 46.3	13,980	112
40893	Cygnus	9	56 48.40	1,843	38 0 23.1	13,985	301
40894	Capricornus ..	8½	56 49.50	+3,352	106 25 6.6	13,987	178
40895	Draco.....	7	56 50.00	-0,546	14 50 57.4	13,987	361
40896	Vulpecula	7½	56 51.09	+2,718	69 50 41.6	13,988	32
40897	Capricornus ..	8½	56 52.04	3,517	115 0 1.2	13,989	185
40898	Equuleus	8½	56 52.57	3,014	86 42 19.7	13,990	107
40899	Delphinus	8½	56 53.62	2,878	77 40 14.2	13,991	106
40900	Cygnus	•	56 58.45	2,554	61 41 42.2	13,996	24
40901	Cygnus	8	56 58.54	2,554	61 41 42.8	13,996	239
40902	Capricornus ..	6½	57 0.32	3,606	119 16 4.2	13,998	569
40903	Aquarius	8½	57 2.70	3,225	99 13 32.0	14,000	112
40904	Aquarius	9	57 2.75	3,282	102 28 58.9	14,000	571
40905	Delphinus	8	57 3.09	2,806	74 34 54.1	14,000	180
40906	Cygnus	8	57 3.10	2,561	62 2 12.1	14,001	239
40907	Aquarius	7	57 3.61	3,100	91 47 19.9	14,001	184
40908	Delphinus	8	57 5.09	2,809	74 47 55.4	14,003	180
40909	Capricornus χ	5	57 5.27	3,456	111 59 13.8	14,003	179
40910	Cygnus	8	57 6.30	2,455	57 17 44.9	14,004	242
40911	Aquarius	7½	57 6.65	3,177	96 22 23.1	14,004	100
40912	Delphinus	9	57 7.13	2,862	77 44 31.2	14,005	106
40913	Vulpecula	8	57 8.04	2,649	66 17 27.0	14,006	29
40914	Cygnus	8	57 9.94	2,218	48 20 53.8	14,008	238
40915	Capricornus ..	7½	57 15.13	3,576	117 54 19.0	14,013	569
40916	Equuleus	8½	57 16.14	3,014	86 39 1.5	14,014	107
40917	Aquarius	7½	57 16.52	3,086	90 57 27.0	14,015	189
40918	Aquarius	8	57 16.73	3,302	103 40 34.9	14,015	176
40919	Cygnus	9	57 17.38	1,990	41 33 3.8	14,016	388
40920	Delphinus	9	20 57 18.06	+2,752	71 39 25.2	-14,016	188

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40921	Cygnus	9	20 57 21,95	+2,218	48° 18' 10,7	-14,020	238
40922	Cygnus	4	57 30,02	2,174	46 51 52,7	14,029	1
40923	Aquarius	9	57 31,28	3,319	104 37 36,6	14,030	176
40924	Capricornus ..	8	57 34,57	3,504	114 25 33,7	14,033	185
40925	Capricornus ..	8	57 34,97	3,504	114 25 31,3	14,034	174
40926	Aquarius	7½	57 37,09	3,064	89 38 8,1	14,036	189
40927	Delphinus	8	57 37,34	2,838	76 20 50,4	14,036	104
40928	Cygnus ξ	4	57 39,28	2,175	46 51 49,4	14,038	2
40929	Cygnus	6½	57 40,30	1,825	37 30 19,5	14,040	301
40930	Vulpecula	6	57 41,51	2,601	63 52 5,0	14,041	26
40931	Equuleus	7½	57 41,76	2,927	81 30 0,9	14,041	116
40932	Equuleus	7	57 41,78	2,927	81 29 59,7	14,041	102
40933	Equuleus	7	57 42,04	2,927	81 29 58,6	14,041	109
40934	Vulpecula	8½	57 43,27	2,570	62 22 48,4	14,042	239
40935	Delphinus	8	57 45,56	2,821	75 23 39,8	14,045	117
40936	Capricornus ..	6½	57 50,45	3,436	110 59 30,8	14,050	178
40937	Aquarius	8	57 53,64	3,221	99 1 35,8	14,053	112
40938	Cygnus	7½	57 54,83	2,410	55 21 41,5	14,055	19
40939	Cygnus	6	57 55,23	2,330	52 13 55,3	14,055	14
40940	Cygnus	7	57 56,23	2,330	52 13 46,3	14,056	14
40941	Capricornus ..	9	58 0,53	+3,360	106 57 25,2	14,061	178
40942	Draco.....	7½	58 0,66	-0,475	15 3 36,7	14,061	361
40943	Cygnus	8½	58 1,74	+2,002	41 45 50,4	14,062	388
40944	Equuleus	7½	58 2,03	3,003	85 58 38,4	14,062	107
40945	Equuleus	7	58 2,70	+2,966	83 48 33,2	14,063	188
40946	Draco.....	7	58 5,02	-0,474	15 3 36,9	14,065	364
40947	Cygnus	8	58 5,39	+1,934	40 0 28,9	14,066	359
40948	Capricornus ..	6	58 5,55	3,442	111 20 55,5	14,066	178
40949	Capricornus ..	6½	58 6,11	3,442	111 20 56,7	14,066	179
40950	Aquarius	8	58 6,31	3,200	97 47 7,5	14,067	197
40951	Cygnus	5½	58 7,10	2,511	59 36 35,6	14,067	22
40952	Delphinus	8	58 8,67	2,840	76 26 50,2	14,069	104
40953	Cygnus	9	58 9,36	2,481	58 20 29,8	14,070	242
40954	Delphinus	7	58 9,57	2,817	75 8 2,3	14,070	117
40955	Delphinus	6	58 9,67	2,817	75 8 2,5	14,070	180
40956	Cygnus	8	58 9,86	2,464	57 32 50,9	14,070	242
40957	Aquarius	8	58 11,03	3,265	101 36 30,9	14,071	114
40958	Aquarius	8	58 12,16	+3,265	101 36 29,4	14,072	571
40959	Cepheus.....	9½	58 13,56	-1,329	12 13 28,7	14,074	361
40960	Equuleus	7	20 58 15,67	+2,909	80 26 4,0	-14,076	116

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40961	Equuleus	7	20 58 16.03	+2,926	81 26 5.3	-14,077	110
40962	Equuleus	7	58 16.03	2,926	81 26 8.4	14,077	102
40963	Cygnus	7½	58 17.95	1,867	38 23 38.3	14,079	301
40964	Delphinus	8½	58 21.18	2,863	78 7 50.3	14,082	106
40965	Aquarius	9	58 23.20	3,264	101 33 36.3	14,084	571
40966	Aquarius	6	58 24.53	3,176	96 22 39.6	14,085	100
40967	Capricornus ..	8½	58 26.64	3,480	113 19 41.1	14,088	185
40968	Delphinus	7	58 30.21	2,834	76 7 24.6	14,091	104
40969	Delphinus	8	58 30.62	2,870	77 39 2.5	14,092	106
40970	Piscis Aust. ..	8	58 32.35	3,603	119 17 31.8	14,094	569
40971	Aquarius	8	58 33.01	3,323	104 55 0.4	14,094	176
40972	Aquarius	8½	58 36.24	3,146	94 36 16.4	14,097	183
40973	Cygnus	8	58 37.81	2,444	56 39 44.7	14,099	19
40974	Aquarius .. v	4½	58 40.75	3,275	102 10 18.0	14,102	114
40975	Aquarius .. v	5	58 40.92	+3,275	102 10 15.8	14,102	571
40976	Cepheus.....	9	58 40.93	-1,211	12 31 33.8	14,102	361
40977	Aquarius	6	58 41.32	+3,053	89 0 39.5	14,103	95
40978	Delphinus	8	58 41.47	2,869	78 4 14.1	14,103	106
40979	Cygnus	8½	58 42.17	2,525	60 12 0.0	14,104	22
40980	Cygnus	7½	58 43.69	2,347	52 45 11.5	14,105	14
40981	Cygnus	8	58 45.31	2,415	55 27 38.2	14,107	19
40982	Aquarius	8	58 51.04	3,148	94 41 42.6	14,113	183
40983	Delphinus	8	58 51.40	2,857	77 22 33.9	14,113	106
40984	Cygnus	8	58 52.60	2,050	42 59 28.3	14,115	388
40985	Cygnus	9	58 55.53	2,152	45 59 18.2	14,118	1
40986	Capricornus ..	7½	58 56.80	3,478	113 16 57.2	14,119	179
40987	Cygnus	•	58 57.37	2,393	54 32 8.0	14,120	16
40988	Capricornus ..	8	58 58.11	3,478	113 16 58.5	14,120	185
40989	Aquarius	7½	58 58.43	3,087	91 2 6.7	14,120	189
40990	Vulpecula	•	58 58.98	2,706	69 1 49.7	14,121	30
40991	Aquarius	7	58 59.07	3,240	100 9 17.6	14,121	112
40992	Equuleus	9	58 59.13	2,960	83 23 57.9	14,121	188
40993	Vulpecula	8½	58 59.20	2,706	69 1 51.7	14,122	32
40994	Capricornus ..	8	59 0.53	3,351	106 30 3.4	14,123	178
40995	Capricornus ..	9	59 1.05	3,325	105 4 10.1	14,123	176
40996	Cygnus	8	59 2.21	2,483	58 17 44.5	14,124	242
40997	Cygnus	8	59 7.09	2,043	42 45 3.9	14,130	388
40998	Equuleus	8	59 9.61	2,958	83 17 42.6	14,132	188
40999	Equuleus	7	59 9.91	2,957	83 12 40.4	14,133	102
41000	Capricornus ..	8½	20 59 10.70	+3,374	107 45 34.9	-14,133	177

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41001	Delphinus	9	20 59 18,11	+2,817	75 5 13,0	-14,141	180
41002	Cygnus	7½	59 18,26	2,341	52 28 53,0	14,141	14
41003	Aquarius	8½	59 20,00	3,058	89 19 6,0	14,143	189
41004	Aquarius	8	59 20,39	3,057	89 14 0,7	14,143	95
41005	Equuleus	8	59 21,62	3,000	85 46 14,9	14,145	107
41006	Delphinus ....	.	59 26,09	2,816	75 0 37,9	14,149	180
41007	Cygnus	8	59 26,35	+1,864	38 10 35,7	14,149	301
41008	Cepheus.....	9½	59 27,77	-1,669	11 18 36,6	14,151	361
41009	Vulpecula ....	.	59 32,07	+2,661	66 40 46,2	14,155	29
41010	Delphinus ....	.	59 35,10	2,809	74 36 17,2	14,159	180
41011	Cygnus	8	59 36,37	2,570	62 10 43,6	14,160	239
41012	Cygnus	8½	59 36,68	2,570	62 10 42,6	14,160	243
41013	Cygnus ....f ²	6	59 43,15	2,060	43 8 58,0	14,167	388
41014	Cygnus ....f ²	5½	59 43,23	2,060	43 9 4,6	14,167	241
41015	Cygnus ....f ²	6	59 43,67	2,060	43 8 58,2	14,167	241
41016	Aquarius	8½	59 44,87	3,211	98 30 42,3	14,169	197
41017	Cygnus	7½	59 45,57	2,127	45 7 20,7	14,169	241
41018	Equuleus	6½	59 51,86	3,034	87 51 41,6	14,176	105
41019	Delphinus ....	.	59 53,13	2,797	73 56 54,0	14,177	117
41020	Aquarius	8½	59 53,60	3,280	102 32 0,1	14,178	114
41021	Aquarius	8½	59 54,19	3,280	102 31 44,3	14,178	571
41022	Cygnus	8	20 59 54,60	2,041	42 36 34,3	14,178	388
41023	Cygnus	8	21 0 1,58	2,161	46 7 37,6	14,186	1
41024	Aquarius	8½	0 4,68	3,210	98 26 46,0	14,189	197
41025	Cygnus	9	0 9,33	2,419	55 28 1,5	14,194	19
41026	Cygnus	5	0 9,67	2,537	60 35 38,7	14,194	22
41027	Cygnus	9	0 16,18	1,919	39 22 21,6	14,201	369
41028	Cygnus	8	0 16,56	1,919	39 22 21,9	14,201	359
41029	Equuleus ....	.	0 16,75	2,898	79 41 39,6	14,201	110
41030	Cygnus	7	0 16,77	+2,339	52 16 20,1	14,201	14
41031	Draco.....	9	0 19,99	-0,118	16 30 11,0	14,205	364
41032	Cygnus	8	0 20,21	+2,059	43 3 58,5	14,205	388
41033	Vulpecula	8	0 20,81	2,605	63 48 56,6	14,206	26
41034	Capricornus ..	.	0 23,44	3,508	114 55 40,6	14,208	175
41035	Delphinus ....	.	0 23,60	2,810	74 36 36,0	14,209	180
41036	Piscis Aust. ..	8	0 23,75	3,587	118 42 46,5	14,209	569
41037	Capricornus ..	8½	0 23,95	3,508	114 55 41,5	14,209	185
41038	Aquarius	9	0 24,39	3,064	89 39 53,4	14,209	189
41039	Cygnus	0 26,80	+2,076	43 31 19,8	14,212	241
41040	Draco.....	9	21 0 29,71	-0,248	15 52 32,2	-14,215	364

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41041	Equuleus	8	21 0 31,30	+2,904	80 3 48,2	-14,217	110
41042	Delphinus	8½	0 31,60	2,816	74 55 45,4	14,217	180
41043	Cygnus	8½	0 32,06	2,461	57 10 54,8	14,217	242
41044	Delphinus	7½	0 33,96	2,756	71 35 40,0	14,219	188
41045	Delphinus	8½	0 35,20	2,873	78 14 54,8	14,220	106
41046	Cygnus	8	0 36,02	2,154	45 50 20,0	14,221	1
41047	Equuleus .. γ	5	0 36,68	2,915	80 39 56,1	14,222	110
41048*	Equuleus .. γ	5	0 36,79	2,915	80 39 57,5	14,222	116
41049	Aquarius	7	0 37,41	3,327	105 16 51,3	14,223	178
41050	Aquarius	7	0 37,68	3,327	105 16 48,6	14,223	176
41051	Aquarius	9	0 38,24	3,276	102 20 30,2	14,224	114
41052	Aquarius	8½	0 38,86	3,276	102 20 28,5	14,224	571
41053	Cygnus	8	0 40,74	2,535	60 25 41,3	14,226	22
41054	Aquarius	8	0 46,34	3,151	94 56 50,7	14,232	183
41055*	Equuleus	7	0 47,69	2,916	80 45 32,6	14,234	116
41056	Equuleus	5½	0 48,05	2,916	80 45 31,3	14,234	110
41057	Vulpecula	8½	0 48,14	2,650	66 1 11,8	14,234	29
41058	Cygnus	8½	0 49,30	+2,482	58 1 56,8	14,235	242
41059	Cepheus.....	9½	0 49,76	-2,125	10 16 51,7	14,235	365
41060	Cygnus	8½	0 53,04	+2,564	61 47 58,8	14,239	239
41061	Cygnus	8	0 53,45	2,257	49 13 1,2	14,239	5
41062	Cygnus	8½	0 53,47	2,565	61 48 5,9	14,239	243
41063	Cygnus	8	0 54,68	2,193	47 3 33,8	14,240	2
41064	Cygnus	7½	0 55,31	2,193	47 3 31,2	14,241	238
41065	Cygnus	8	0 57,17	1,919	39 17 48,6	14,243	301
41066	Cygnus	9	0 59,03	1,919	39 17 46,3	14,245	359
41067	Equuleus	•	0 59,08	3,018	86 53 8,6	14,245	107
41068	Piscis Aust. ..	8	0 59,61	3,560	117 30 42,2	14,246	569
41069	Cygnus	8	1 1,34	2,429	55 45 43,6	14,247	19
41070	Aquarius	8	1 2,02	3,328	105 22 7,6	14,248	178
41071	Aquarius	8	1 2,11	3,328	105 22 3,9	14,248	176
41072	Delphinus	8½	1 3,31	2,827	75 33 6,8	14,250	104
41073	Aquarius	9	1 3,72	3,275	102 19 9,9	14,250	114
41074	Aquarius	9	1 4,04	3,275	102 19 9,6	14,250	571
41075	Aquarius	8	1 5,59	3,215	98 46 19,7	14,252	197
41076	Cygnus	7½	1 9,88	1,917	39 13 3,5	14,256	301
41077	Aquarius	8	1 10,42	3,134	93 55 42,8	14,257	183
41078	Capricornus ..	8½	1 10,87	3,446	111 49 17,2	14,257	179
41079	Cygnus	8	1 12,07	1,917	39 13 10,2	14,258	359
41080	Aquarius	8½	21 1 12,19	+3,104	92 6 32,5	-14,258	184

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41081	Delphinus	21	1	12.73	+2,799	73	58	22.6
41082	Vulpecula	8		1	13.22	2,621	64	30	38.0
41083	Equuleus	8		1	14.51	2,925	81	15	27.9
41084	Vulpecula	8		1	15.77	2,615	64	11	32.6
41085	Delphinus ....	.		1	18.13	2,797	73	49	40.4
41086	Cygnus	8		1	18.79	2,337	52	4	34.4
41087	Aquarius	8		1	19.55	3,097	91	40	44.3
41088	Cygnus	8		1	19.87	2,192	46	58	34.4
41089	Equuleus	9		1	20.07	3,013	86	33	26.8
41090	Cygnus	7½		1	20.35	2,192	46	58	35.0
41091	Vulpecula	7½		1	21.43	2,743	70	50	48.6
41092	Piscis Aust. ..	6		1	23.53	3,578	118	25	6.3
41093	Aquarius	7½		1	23.81	3,181	96	46	20.8
41094	Piscis Aust. ..	5½		1	24.00	3,578	118	25	32.3
41095	Aquarius	7		1	24.01	3,179	96	37	11.3
41096	Aquarius	8½		1	25.74	3,072	90	7	54.0
41097	Vulpecula	7½		1	31.25	2,697	68	21	5.9
41098	Cygnus	8		1	31.33	2,081	43	32	49.5
41099	Cygnus	9		1	31.98	2,260	49	13	21.9
41100	Cygnus	9		1	32.09	3,279	102	34	3.7
41101	Aquarius	9		1	34.79	3,221	99	10	5.0
41102	Cygnus	9		1	36.72	2,490	58	19	11.8
41103	Cygnus	7½		1	40.92	2,497	58	36	6.1
41104	Aquarius	9		1	43.26	3,325	105	12	7.5
41105	Aquarius	9		1	43.56	3,325	105	12	2.9
41106	Delphinus	8		1	46.11	2,812	74	38	26.6
41107	Aquarius	9		1	49.12	3,100	91	49	41.6
41108	Capricornus ..	8		1	52.81	3,479	113	34	23.0
41109	Aquarius	8½		1	53.77	3,056	89	10	29.0
41110	Aquarius	8		1	54.28	3,056	89	10	31.7
41111	Delphinus	8½		1	55.64	2,793	73	32	28.8
41112	Capricornus ..	8½		1	56.13	3,475	113	21	27.6
41113	Cygnus	7		1	59.44	2,083	43	32	5.4
41114	Aquarius	9		2	0.60	3,218	98	58	4.2
41115	Cygnus .....	.		2	0.87	2,427	55	33	33.8
41116	Cygnus	9		2	2.10	1,922	39	13	36.9
41117	Aquarius	9		2	6.03	3,153	95	6	22.7
41118	Aquarius	9		2	8.02	3,276	102	21	52.8
41119	Aquarius	9		2	8.23	3,275	102	22	2.8
41120	Aquarius	8	21	2	9.03	+3,201	97	58	5.9

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41121	Cygnus	8	21	2	9.94	+2,398	54	20	35.3	-14,318 16
41122	Cygnus	8		2	9.99	2,237	48	22	23.3	14,318 2
41123	Cygnus	8		2	10.55	2,237	48	22	22.3	14,318 238
41124	Equuleus	9		2	13.32	2,939	82	1	58.9	14,321 102
41125	Aquarius	9		2	22.67	3,068	89	55	6.3	14,330 189
41126	Equuleus	8½		2	23.14	2,908	80	10	24.0	14,331 116
41127	Equuleus	8½		2	23.89	2,908	80	10	26.7	14,332 110
41128	Cygnus	8		2	26.32	2,136	45	4	9.3	14,334 1
41129*	Capricornus ..	7½		2	30.65	3,467	113	1	31.9	14,339 179
41130	Capricornus ..	7½		2	30.84	3,467	113	1	38.8	14,339 185
41131	Cygnus	8		2	33.49	2,391	54	0	37.6	14,342 16
41132	Delphinus	7½		2	34.15	2,888	79	1	40.2	14,342 106
41133	Capricornus ..	8		2	34.90	3,427	110	54	10.9	14,343 179
41134	Vulpecula	8		2	36.04	2,600	63	18	8.8	14,344 243
41135	Delphinus	8		2	37.16	2,838	76	5	29.0	14,345 104
41136	Equuleus	6		2	38.18	3,040	88	10	7.0	14,346 95
41137	Equuleus	6½		2	38.22	3,040	88	10	10.2	14,346 105
41138	Aquarius	8½		2	39.61	3,328	105	27	37.8	14,348 178
41139	Aquarius	9		2	42.05	3,202	98	2	55.8	14,351 197
41140	Aquarius	8		2	44.52	3,153	95	4	47.5	14,353 183
41141	Vulpecula	7½		2	45.51	2,599	63	15	26.9	14,354 26
41142	Vulpecula	8		2	45.60	2,599	63	15	27.4	14,354 24
41143	Cygnus	7		2	48.22	2,146	45	18	24.2	14,357 1
41144	Vulpecula	8		2	48.60	2,666	66	38	56.7	14,357 29
41145	Aquarius	8		2	48.86	3,101	91	56	31.5	14,357 184
41146	Cygnus	7½		2	49.02	2,336	51	50	50.6	14,358 14
41147	Equuleus ....	.		2	52.43	3,037	88	11	48.8	14,361 105
41148	Equuleus	7		2	52.54	3,037	88	0	44.5	14,361 95
41149	Aquarius	9		2	54.85	3,281	102	45	41.1	14,364 114
41150	Equuleus	9		2	55.63	2,907	80	7	16.0	14,364 116
41151	Aquarius	6½		2	55.90	3,180	96	43	33.2	14,365 100
41152	Equuleus	9		2	56.31	2,907	80	7	17.4	14,365 110
41153	Delphinus	9		2	59.61	2,812	74	32	4.7	14,368 117
41154	Capricornus ..	9		3	0.84	3,540	116	43	39.3	14,369 175
41155	Cygnus	7		3	1.65	2,404	54	30	37.0	14,370 16
41156	Equuleus	7½		3	2.68	2,957	83	7	8.7	14,372 102
41157	Equuleus	8		3	3.10	+2,957	83	7	14.2	14,372 186
41158	Draco.....	.		3	7.44	-0,869	13	19	16.0	14,376 351
41159	Aquarius	7		3	10.25	+3,290	103	16	54.5	14,379 571
41160	Cygnus	8	21	3	11.49	+2,396	54	9	19.6	-14,380 16

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41161	Aquarius	8	21	3	11.62	+3,290	103 16 55.3	-14,381	176
41162	Cygnus	6		3	16.30	2,555	61 6 1.8	14,385	22
41163	Aquarius	7		3	26.78	3,258	101 25 21.2	14,396	571
41164	Aquarius	7½		3	26.79	3,258	101 25 17.8	14,396	112
41165	Cygnus	6		3	27.44	2,536	60 11 42.8	14,397	22
41166	Delphinus	8		3	28.13	2,824	75 13 32.4	14,397	117
41167	Delphinus	8		3	28.43	2,824	75 13 30.8	14,398	180
41168	Aquarius	9		3	28.52	3,318	104 57 46.4	14,398	176
41169	Delphinus	9		3	29.88	2,815	74 43 56.2	14,399	180
41170	Delphinus	9		3	30.18	2,848	76 36 37.4	14,399	104
41171	Cygnus	8½		3	32.53	2,077	43 9 16.7	14,402	388
41172	Delphinus	8½		3	32.79	2,757	71 26 16.9	14,402	188
41173	Equuleus	8		3	33.11	2,965	83 35 49.0	14,402	188
41174	Equuleus	9½		3	33.14	3,008	86 12 57.9	14,402	107
41175	Equuleus	7½		3	34.14	2,965	83 36 0.1	14,403	186
41176	Capricornus ..	8		3	34.16	3,458	112 37 58.9	14,403	179
41177	Capricornus ..	8		3	34.51	3,425	110 53 25.6	14,404	179
41178	Cygnus	7½		3	34.54	2,076	43 7 9.7	14,404	388
41179	Equuleus	8		3	34.67	2,966	83 38 55.1	14,404	188
41180	Vulpecula	8		3	35.42	2,602	63 18 1.6	14,405	26
41181	Vulpecula	8		3	35.60	2,602	63 18 3.0	14,405	24
41182	Equuleus	7½		3	35.65	2,966	83 39 1.3	14,405	186
41183	Equuleus	8		3	39.77	2,899	79 36 9.3	14,409	110
41184	Aquarius	9		3	40.61	3,128	93 34 1.2	14,410	183
41185	Cygnus	8		3	44.42	2,279	49 37 39.0	14,414	5
41186	Aquarius	9		3	47.13	3,100	91 53 36.1	14,416	184
41187	Capricornus ..	6		3	47.15	3,435	111 28 20.3	14,417	179
41188	Equuleus	8½		3	47.72	2,895	79 22 54.9	14,417	110
41189	Vulpecula	8		3	49.33	2,727	69 44 47.3	14,419	32
41190	Cygnus	9		3	53.60	2,278	49 34 10.9	14,423	5
41191	Capricornus ..	6½		3	54.27	3,375	108 9 40.3	14,424	177
41192	Aquarius	9		3	59.83	3,078	90 30 54.2	14,429	189
41193	Aquarius	7		4	0.31	3,180	96 46 50.0	14,430	100
41194	Vulpecula	8½		4	2.22	2,649	65 36 57.9	14,432	29
41195	Delphinus	7		4	4.21	2,818	74 49 59.7	14,434	117
41196	Cygnus	6		4	4.51	1,848	37 14 54.7	14,434	301
41197	Cygnus	•		4	4.59	1,848	37 14 56.2	14,434	374
41198	Delphinus	6		4	4.61	2,818	74 49 59.1	14,434	180
41199	Cygnus	•		4	5.12	2,146	45 8 17.5	14,435	241
41200	Capricornus ..	8½	21	4	5.13	+3,335	105 56 26.0	-14,435	178

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41201	Cygnus	21	4	5.40	+2,146	45	8	20.4	-14,435	1
41202	Cygnus	7		4	12.35	2,350	52	12	3.2	14,442	14
41203	Aquarius	9		4	13.10	3,099	91	47	55.8	14,443	184
41204	Capricornus ..	.		4	14.54	3,447	112	6	52.0	14,445	179
41205	Delphinus	9		4	14.67	2,850	76	39	54.2	14,445	104
41206	Cygnus	9		4	15.23	2,292	50	2	23.1	14,445	5
41207	Aquarius	8½		4	15.76	3,219	99	10	25.1	14,445	197
41208	Aquarius	8		4	16.29	3,198	97	54	16.2	14,446	197
41209	Delphinus	9		4	17.65	2,783	72	49	24.3	14,448	188
41210	Equuleus	8½		4	18.05	2,951	82	42	29.6	14,448	102
41211	Cygnus	8		4	20.93	2,590	62	39	35.9	14,451	24
41212	Aquarius	9		4	22.06	3,096	91	39	0.5	14,452	184
41213	Capricornus ..	9		4	25.01	3,449	112	15	33.4	14,455	179
41214	Equuleus	8½		4	25.16	2,970	83	51	15.4	14,455	186
41215	Cygnus ζ	3		4	25.40	2,547	60	35	12.5	14,456	242
41216	Cygnus ζ	4		4	25.62	2,547	60	35	8.8	14,456	22
41217	Cygnus ζ	3		4	25.85	2,547	60	35	10.8	14,456	243
41218	Aquarius	7		4	26.03	3,081	90	43	31.5	14,456	189
41219	Cygnus ζ	4		4	26.11	2,547	60	35	12.4	14,456	239
41220	Capricornus ..	8½		4	26.87	3,322	105	12	53.9	14,457	176
41221	Piscis Aust. ..	8		4	27.86	3,585	119	5	31.6	14,458	569
41222	Equuleus	8		4	29.58	3,007	86	7	40.7	14,460	107
41223	Aquarius	7		4	31.46	3,173	96	22	8.4	14,462	100
41224	Equuleus	8½		4	33.26	2,900	79	37	56.0	14,464	110
41225	Piscis Aust. ..	8		4	33.65	3,590	119	19	46.3	14,464	569
41226	Aquarius	8½		4	34.67	3,269	102	10	19.1	14,465	114
41227	Aquarius ....	.		4	35.24	3,253	101	10	11.5	14,465	112
41228	Aquarius	8		4	35.43	+3,253	101	10	8.3	14,465	571
41229	Draco.....	8		4	37.76	-0,323	15	16	10.7	14,468	364
41230	Cygnus	8½		4	38.36	+2,352	52	14	57.0	14,468	14
41231	Cygnus	8		4	39.47	2,154	45	19	21.2	14,470	1
41232*	Capricornus ..	6		4	39.70	3,335	105	59	33.2	14,470	178
41233	Aquarius	7		4	40.39	3,125	93	23	27.4	14,470	183
41234	Aquarius	9		4	42.65	3,102	92	0	31.1	14,473	184
41235	Equuleus .. δ	5½		4	43.77	+2,920	80	47	37.1	14,474	116
41236	Draco.....	8		4	44.92	-0,343	15	10	46.5	14,475	364
41237	Vulpecula	8½		4	46.77	+2,641	65	10	10.0	14,477	29
41238	Vulpecula	9		4	47.16	2,641	65	10	10.2	14,478	26
41239	Cygnus	7		4	47.87	2,422	55	1	3.8	14,478	16
41240	Cygnus	6	21	4	47.92	+2,422	55	1	4.9	-14,478	19

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			h	m	s	s			
41241	Aquarius	7½	21	4	49.33	+3,181	96° 49' 44.8	-14,480	100
41242	Cygnus	8		4	55.75	2,148	45 6 47.3	14,486	241
41243	Cygnus	8		4	55.91	+2,148	45 6 46.9	14,486	1
41244	Cepheus	9		4	57.63	-1,480	11 29 32.3	14,488	361
41245	Cygnus	7		4	59.62	+2,472	57 7 32.2	14,490	20
41246	Aquarius	7		5	1.55	3,301	104 1 15.3	14,492	176
41247	Aquarius	8		5	4.38	3,232	99 56 36.8	14,495	112
41248	Pegasus	8		5	4.61	2,790	73 9 49.5	14,495	188
41249	Cygnus	8		5	6.98	2,430	55 19 45.2	14,497	20
41250	Delphinus	8		5	7.87	2,851	76 40 35.9	14,498	104
41251	Aquarius	8		5	9.96	3,236	100 12 52.7	14,500	111
41252	Aquarius	8½		5	13.11	3,124	93 21 52.1	14,503	183
41253	Cygnus	9		5	13.25	2,037	41 48 33.2	14,504	388
41254	Cygnus	•		5	16.90	2,201	46 45 7.0	14,508	2
41255	Capricornus ..	8		5	18.49	3,424	110 59 35.8	14,509	179
41256	Aquarius	8½		5	20.16	3,103	92 3 21.0	14,510	184
41257	Delphinus	9		5	22.97	2,866	77 34 48.8	14,513	106
41258	Pegasus	8		5	23.13	2,811	74 20 25.5	14,514	117
41259	Pegasus	7		5	23.57	2,811	74 20 29.0	14,514	180
41260	Cygnus	6½		5	24.11	2,404	54 11 7.5	14,515	16
41261	Equuleus	9		5	24.77	2,944	82 14 38.2	14,515	102
41262	Pegasus	9		5	26.13	2,788	73 0 10.2	14,517	188
41263	Cygnus	•		5	27.49	1,848	37 4 12.4	14,518	374
41264	Cygnus	7		5	28.26	1,848	37 4 11.2	14,519	301
41265	Vulpecula	8		5	31.29	2,641	64 33 34.2	14,522	26
41266	Cygnus	8		5	31.88	2,360	52 25 0.7	14,522	14
41267	Cygnus	8		5	32.62	2,473	57 7 29.5	14,523	243
41268	Aquarius	7½		5	32.91	3,233	100 2 20.1	14,524	112
41269	Cygnus	6½		5	37.63	2,556	60 55 10.6	14,529	22
41270	Cygnus	9		5	43.66	2,512	58 50 18.2	14,534	243
41271	Aquarius	8½		5	45.19	3,232	99 58 47.7	14,536	112
41272	Cygnus	8		5	46.48	2,209	46 56 47.9	14,537	2
41273	Cygnus	7½		5	47.29	2,209	46 56 46.7	14,538	17
41274	Equuleus .. α	4		5	49.36	2,998	85 34 24.2	14,540	186
41275	Equuleus .. α	4		5	49.41	2,998	85 34 15.9	14,540	188
41276	Capricornus ..	8½		5	52.98	3,411	110 19 50.8	14,544	179
41277	Vulpecula	8		5	54.26	2,594	62 40 3.5	14,545	243
41278	Vulpecula	8		5	54.42	2,594	62 40 1.2	14,545	24
41279	Pegasus	8		5	56.33	2,774	72 12 5.1	14,547	188
41280	Cygnus	9	21	5	57.14	+2,029	41 29 24.5	-14,548	388

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			h	m	s	s	°	'	''
41281	Equuleus	8	21	5	57.54	+2,941	82	2	46.6
41282	Capricornus ..	8½		5	57.80	3,416	110	37	10.0
41283	Aquarius	8½		5	59.57	3,097	91	43	48.0
41284	Aquarius	8½		6	4.11	3,207	98	28	47.4
41285	Pegasus	8½		6	6.34	2,782	72	39	45.5
41286	Equuleus	8		6	7.64	3,012	86	25	6.8
41287	Aquarius	7½		6	9.53	3,248	100	57	36.5
41288	Aquarius	7		6	10.99	3,248	100	57	34.6
41289	Piscis Aust. ..	8		6	11.92	3,590	119	31	13.8
41290	Equuleus	7½		6	12.22	2,897	79	20	35.0
41291	Aquarius	7		6	15.73	3,301	104	6	16.5
41292	Cygnus	8½		6	18.10	1,934	38	59	32.0
41293	Aquarius	6½		6	18.25	3,109	92	26	1.6
41294	Pegasus .....	.		6	18.86	2,832	75	29	26.7
41295	Cygnus	8		6	18.87	2,149	44	57	23.6
41296	Equuleus	8		6	20.07	2,926	81	8	19.1
41297	Equuleus	7½		6	20.12	2,910	80	8	16.2
41298	Pegasus	8		6	21.24	2,808	74	5	22.8
41299	Pegasus	7		6	21.32	2,808	74	5	31.4
41300	Cygnus	8½		6	25.35	2,152	45	1	27.7
41301	Equuleus	6		6	26.15	2,906	79	53	37.1
41302	Equuleus	8		6	26.33	2,906	79	53	37.8
41303	Cygnus	8		6	28.98	2,158	45	12	40.1
41304	Cygnus .....	.		6	28.98	2,158	45	12	37.9
41305	Cygnus .....	.		6	29.76	2,160	45	17	2.0
41306	Cygnus	8		6	29.99	2,160	45	16	7.1
41307	Aquarius	9		6	32.24	3,246	100	54	3.1
41308	Vulpecula	8½		6	33.20	2,641	64	58	47.2
41309	Cygnus	8½		6	34.51	2,208	46	49	4.2
41310	Cygnus	7½		6	38.56	2,294	49	48	40.6
41311	Aquarius	8½		6	38.59	3,064	89	39	38.6
41312	Pegasus	7		6	40.40	2,756	71	6	39.6
41313	Aquarius	8		6	40.62	+3,100	91	54	12.3
41314	Cepheus.....	9½		6	42.48	-1,433	11	31	2.1
41315	Capricornus ..	6		6	43.04	+3,382	108	48	47.7
41316	Pegasus	8½		6	43.10	2,819	74	43	17.6
41317	Capricornus ..	9		6	44.62	3,345	106	43	2.5
41318	Aquarius	8		6	45.62	3,066	89	47	56.8
41319	Cygnus	9		6	46.90	2,078	42	45	37.4
41320	Cygnus r	4½	21	6	47.89	+2,374	52	48	8.6

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41321	Equuleus	8	21	6	47.89	+2,962	83 18 42.6	-14,599	186
41322	Pegasus	8½		6	53.41	2,852	76 39 38.2	14,604	104
41323	Aquarius	7		6	53.57	3,169	96 11 30.0	14,604	100
41324	Vulpecula	8		6	56.13	2,599	62 48 46.5	14,607	243
41325	Vulpecula	8		6	56.41	2,599	62 48 50.9	14,607	24
41326	Vulpecula	7		6	56.58	2,650	65 23 24.4	14,607	29
41327	Cygnus	8½		6	59.50	1,903	38 9 18.0	14,610	301
41328	Aquarius	7		7	1.23	3,176	96 36 24.3	14,612	100
41329	Aquarius	8½		7	1.92	3,171	96 17 45.3	14,613	100
41330	Piscis Aust. ..	6½		7	3.04	3,590	119 35 33.0	14,614	569
41331	Capricornus ..	7½		7	3.43	3,372	108 17 33.2	14,614	177
41332	Capricornus ..	7		7	4.50	3,424	111 9 41.6	14,615	179
41333	Delphinus	8		7	5.40	2,859	77 1 26.3	14,616	106
41334	Equuleus	8		7	8.12	3,020	86 54 54.8	14,619	105
41335	Capricornus ..	9		7	9.99	3,490	114 38 12.4	14,621	185
41336	Equuleus	8½		7	12.14	3,009	86 11 54.0	14,623	107
41337	Aquarius	9		7	20.80	3,300	104 8 54.4	14,632	176
41338	Delphinus	7		7	23.22	2,856	76 52 26.8	14,634	106
41339	Cygnus	8½		7	25.14	2,515	58 46 42.7	14,636	243
41340	Vulpecula	6		7	29.29	2,633	64 28 38.2	14,640	26
41341	Cygnus	8		7	33.63	2,395	53 34 27.9	14,644	16
41342	Aquarius	9		7	34.16	3,105	92 13 3.8	14,645	184
41343	Aquarius	8		7	34.18	3,265	103 5 43.1	14,645	571
41344	Equuleus	7		7	34.60	2,951	82 35 38.1	14,646	102
41345	Cygnus	8		7	35.07	2,243	47 52 23.8	14,646	17
41346	Cygnus	9		7	36.70	2,293	49 37 2.9	14,647	5
41347	Cygnus	7½		7	38.33	1,905	38 6 43.7	14,649	301
41348	Aquarius	8½		7	41.34	3,080	90 39 29.4	14,652	189
41349	Capricornus ..	8½		7	45.13	3,419	110 56 19.8	14,656	179
41350	Cygnus	6		7	50.58	2,271	48 48 25.5	14,661	2
41351	Cygnus	7		7	51.04	2,271	48 48 29.7	14,662	17
41352	Equuleus	7		7	51.81	3,037	87 56 17.7	14,663	105
41353	Cygnus	8		7	54.15	2,459	56 11 42.8	14,665	20
41354	Capricornus ..	9		7	57.09	3,487	114 36 1.9	14,668	185
41355	Equuleus	8		7	58.74	2,940	81 55 41.5	14,669	102
41356	Aquarius	8½		8	0.10	3,142	94 30 41.4	14,671	183
41357	Cygnus	9		8	1.93	2,501	58 3 46.8	14,673	243
41358	Equuleus	8½		8	3.44	2,914	80 17 25.9	14,674	110
41359	Piscis Aust. ..	7		8	4.31	3,555	118 2 27.8	14,675	569
41360	Aquarius	8	21	8	4.50	+3,064	89 38 2.1	-14,675	189

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			h	m	s		°	'	"		
41361	Capricornus ..	7½	21	8	7.45	+3,349	107	0	34.7	-14,678	177
41362	Capricornus ..	7½		8	7.49	3,349	107	0	38.8	14,678	178
41363	Piscis Aust. ..	7		8	10.44	3,537	117	10	2.8	14,681	181
41364	Piscis Aust. ..	8		8	13.33	3,557	118	8	11.3	14,684	569
41365	Cygnus	8		8	17.22	2,186	45	52	22.7	14,688	1
41366	Aquarius	8		8	21.09	3,200	98	9	37.8	14,692	197
41367	Aquarius	8		8	21.43	3,197	97	58	15.2	14,692	197
41368	Aquarius	9		8	23.06	3,295	103	52	48.8	14,693	176
41369	Aquarius	9		8	24.89	3,230	100	0	12.9	14,695	112
41370	Vulpecula	8		8	27.61	2,738	69	59	42.7	14,698	32
41371	Cygnus	8		8	29.43	2,352	51	43	53.5	14,700	14
41372	Aquarius	8		8	29.51	3,237	100	24	39.4	14,700	112
41373	Equuleus	8		8	31.44	2,919	80	35	9.2	14,702	110
41374	Cygnus	9½		8	32.14	1,968	39	32	13.6	14,703	369
41375	Vulpecula	8½		8	32.57	2,744	70	19	29.1	14,703	32
41376	Cygnus	7½		8	34.05	2,421	54	30	27.4	14,704	16
41377	Cygnus	9		8	36.58	1,963	39	24	58.5	14,707	369
41378	Pegasus	8		8	37.11	2,795	73	12	6.5	14,708	188
41379	Pegasus	7		8	37.16	2,795	73	12	1.5	14,708	180
41380	Cygnus	7½		8	37.82	2,083	42	51	15.4	14,708	388
41381	Equuleus	8½		8	41.04	2,941	81	55	18.3	14,711	102
41382	Cygnus	8		8	43.36	2,164	45	5	47.2	14,714	241
41383	Equuleus	7		8	46.88	2,940	81	52	11.2	14,717	102
41384	Cygnus	6		8	53.95	2,211	46	35	31.1	14,724	1
41385	Cygnus	6		8	54.79	2,268	48	34	40.7	14,725	2
41386	Equuleus	7		8	54.85	2,897	79	15	35.2	14,725	106
41387	Cygnus	6		8	55.10	2,269	48	34	40.0	14,725	17
41388	Cygnus	8		8	55.12	2,521	58	51	7.4	14,725	243
41389	Aquarius	8		8	56.75	3,111	92	35	58.3	14,727	184
41390	Vulpecula	8		9	0.10	2,708	68	17	8.6	14,730	30
41391	Pegasus	8		9	5.13	2,794	73	6	43.3	14,735	188
41392	Pegasus	7		9	5.14	2,794	73	6	42.1	14,735	180
41393	Aquarius	7		9	5.23	3,293	103	49	18.4	14,735	176
41394	Pegasus	8½		9	5.94	2,794	73	6	40.5	14,736	117
41395	Vulpecula	8		9	6.99	2,716	68	42	57.0	14,737	30
41396	Aquarius	8½		9	7.72	3,273	102	39	14.5	14,738	571
41397	Aquarius	8		9	7.83	3,170	96	19	13.6	14,738	100
41398	Aquarius	8½		9	8.07	3,273	102	39	14.3	14,738	114
41399	Cygnus	7		9	8.46	2,467	56	24	34.5	14,738	20
41400	Aquarius	7½	21	9	10.33	+3,301	104	20	11.8	-14,740	176

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41401	Equuleus	6	21 9 10,69	+2,904	79 37 50,7	-14,741	106
41402	Draco.....	7	9 11,56	-0,958	12 41 19,1	14,742	361
41403	Draco.....	6	9 11,83	-0,959	12 41 12,8	14,742	351
41404	Capricornus ..	8	9 13,50	+3,459	113 13 23,2	14,744	185
41405	Pegasus	7	9 13,66	2,790	72 50 36,8	14,744	180
41406	Pegasus	7½	9 13,66	2,790	72 50 35,0	14,744	188
41407	Pegasus	8½	9 13,92	2,790	72 50 35,0	14,744	117
41408	Aquarius	8	9 16,49	3,126	93 32 42,0	14,747	183
41409	Pegasus	8½	9 18,44	2,836	75 34 29,5	14,749	104
41410	Piscis Aust. ..	.	9 25,18	3,536	117 14 17,4	14,755	181
41411	Cygnus	8	9 29,79	2,547	60 5 35,8	14,760	22
41412	Cygnus	9	9 30,96	2,499	57 47 46,1	14,761	243
41413	Cygnus	8½	9 32,44	2,065	42 2 20,0	14,762	388
41414	Cygnus σ	5½	9 33,94	2,348	51 26 14,5	14,764	5
41415	Cygnus σ	5	9 34,42	2,348	51 26 11,7	14,764	14
41416	Cygnus	8	9 39,03	2,552	60 14 37,0	14,769	22
41417	Capricornus ..	8	9 40,42	3,429	111 39 20,5	14,770	179
41418	Cygnus υ	5	9 42,39	2,458	55 56 11,7	14,772	20
41419	Cygnus	7	9 43,85	2,353	51 37 8,8	14,773	14
41420	Vulpecula	6½	9 44,58	2,670	66 10 26,0	14,774	29
41421	Cygnus	9	9 46,64	2,339	51 5 14,1	14,776	5
41422	Cygnus	6	9 49,70	2,260	48 8 57,7	14,779	2
41423	Aquarius	8	9 50,70	3,290	103 43 22,7	14,780	176
41424	Cygnus	6	9 50,73	2,260	48 9 0,0	14,780	17
41425	Pegasus	8	9 52,01	2,793	73 5 33,0	14,782	117
41426	Pegasus	7½	9 52,14	2,793	73 0 31,9	14,782	188
41427	Pegasus	6½	9 52,51	2,794	73 0 35,8	14,782	180
41428	Equuleus	7½	9 52,72	2,931	81 18 32,9	14,782	110
41429	Equuleus	7	9 54,57	2,898	79 15 34,7	14,784	116
41430	Cygnus .....	.	9 55,62	1,927	38 20 59,9	14,785	374
41431	Aquarius	8	9 57,61	3,265	102 11 19,7	14,787	571
41432	Aquarius	8	9 57,64	3,265	102 11 17,4	14,787	114
41433	Aquarius	8½	9 57,92	3,107	92 20 30,4	14,787	184
41434	Aquarius	8	10 5,88	3,229	99 59 15,2	14,795	112
41435	Vulpecula	8	10 6,85	2,641	64 36 21,1	14,796	26
41436	Aquarius	9	10 7,84	3,227	99 52 40,8	14,797	112
41437	Vulpecula	8	10 9,57	2,713	68 27 20,3	14,799	30
41438	Equuleus	6½	10 10,61	2,904	79 37 50,2	14,800	116
41439	Vulpecula	8	10 10,85	2,644	64 44 37,3	14,800	26
41440	Vulpecula	8½	21 10 11,60	+2,656	65 21 20,7	-14,801	29

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41441	Aquarius	8½	21	10	12,27	+3,110	92	33	12,8	-14,802	184
41442	Aquarius	8½		10	18,21	3,106	92	17	40,2	14,807	184
41443	Equuleus	9		10	21,54	2,980	84	17	56,8	14,811	186
41444	Cygnus	8		10	23,98	1,901	37	39	32,8	14,813	301
41445	Capricornus ..	8½		10	26,05	3,328	105	59	35,6	14,815	178
41446	Cygnus	6½		10	26,66	+2,572	61	5	35,3	14,816	24
41447	Draco.....	7		10	27,84	-0,161	15	35	30,1	14,817	364
41448	Pegasus	7½		10	28,71	+2,876	77	52	32,3	14,818	106
41449	Capricornus ..	8		10	29,22	3,390	109	34	27,1	14,818	179
41450	Cygnus	8		10	32,49	2,521	58	39	16,7	14,821	243
41451	Cygnus	8½		10	32,98	2,275	48	36	42,2	14,822	17
41452	Aquarius	9		10	34,86	3,155	95	23	59,0	14,824	183
41453	Aquarius	6		10	34,86	3,155	95	23	59,2	14,824	100
41454	Aquarius	8		10	37,16	3,266	102	17	44,6	14,826	114
41455	Aquarius	7½		10	37,71	3,266	102	17	45,2	14,827	571
41456	Cygnus	9		10	38,42	2,421	54	14	4,1	14,827	16
41457	Equuleus	8		10	41,76	2,916	80	20	16,2	14,831	116
41458	Equuleus	8		10	42,87	2,916	80	20	15,0	14,832	110
41459	Aquarius	9		10	43,87	3,269	102	28	24,0	14,833	571
41460	Equuleus	8		10	46,62	2,953	82	37	33,9	14,835	102
41461	Delphinus	8.		10	47,79	2,890	78	41	37,6	14,836	106
41462	Equuleus	7½		10	48,16	3,034	87	43	14,1	14,837	105
41463	Aquarius	8		10	48,71	3,072	90	9	45,5	14,837	189
41464	Cygnus	8½		10	50,01	2,461	55	54	57,0	14,839	20
41465	Cygnus	7½		10	53,71	2,137	43	58	42,4	14,842	241
41466	Pegasus	8½		10	57,06	2,813	74	1	54,0	14,846	117
41467	Pegasus	8		10	57,33	2,812	74	1	55,8	14,846	180
41468	Pegasus	8		10	57,68	2,873	77	40	14,5	14,846	106
41469	Cygnus ....A	5½		10	59,83	2,228	46	53	23,9	14,849	2
41470	Cygnus ....A	5		11	0,42	2,228	46	53	24,2	14,849	1
41471	Cygnus ....A	5		11	0,61	2,228	46	53	25,1	14,849	17
41472	Vulpecula	9		11	1,28	2,612	63	1	48,7	14,850	243
41473	Vulpecula	8½		11	2,55	2,618	63	20	5,1	14,851	243
41474	Capricornus .	5		11	5,70	3,356	107	40	35,2	14,854	177
41475	Pegasus	8½		11	7,30	2,771	71	37	0,7	14,856	188
41476	Pegasus	6		11	8,77	2,721	68	48	46,2	14,857	30
41477	Cygnus	8		11	9,40	2,344	51	5	20,4	14,858	5
41478	Aquarius	8½		11	10,12	3,153	95	19	33,7	14,858	183
41479	Aquarius	8		11	10,23	3,153	95	19	37,7	14,859	100
41480	Equuleus	6	21	11	11,52	+2,978	84	9	14,2	-14,860	186

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41481	Aquarius	8½	21 11 12,52	+3,096	91 40 38,4	-14,861	184
41482	Aquarius	11 13,69	3,231	100 9 57,5	14,862	112
41483	Capricornus ..	8½	11 14,04	3,323	105 45 40,1	14,862	178
41484	Piscis Aust. ..	8½	11 14,86	3,566	118 56 27,4	14,863	569
41485	Equuleus	7	11 15,20	3,036	87 51 57,4	14,864	105
41486	Equuleus	7	11 16,23	3,038	87 57 12,5	14,865	105
41487	Aquarius	8½	11 17,62	3,202	98 21 40,6	14,866	197
41488	Equuleus	6	11 18,50	2,967	83 29 5,4	14,866	102
41489	Pegasus	9	11 19,35	2,788	72 35 54,9	14,867	188
41490	Cygnus	8	11 21,27	1,935	38 21 30,1	14,869	301
41491	Aquarius	8½	11 21,91	3,147	94 55 32,6	14,870	183
41492	Cygnus .....	.	11 23,18	1,936	38 21 34,2	14,871	374
41493	Cygnus	6½	11 25,60	2,370	52 1 49,5	14,874	14
41494	Capricornus ..	6	11 31,28	3,460	113 30 45,8	14,879	185
41495	Pegasus	9	11 33,04	2,854	76 28 45,1	14,881	104
41496	Aquarius	9	11 35,71	3,153	95 17 13,4	14,883	100
41497	Equuleus	7	11 36,69	2,920	80 30 24,2	14,885	116
41498	Equuleus	7	11 37,22	2,920	80 30 22,0	14,885	110
41499	Equuleus	7	11 37,37	3,035	87 45 50,0	14,885	105
41500	Aquarius	7	11 38,46	3,061	89 28 12,7	14,886	189
41501	Pegasus	8	11 42,64	2,830	75 0 39,0	14,890	180
41502	Cygnus	9	11 46,84	2,137	43 49 49,0	14,894	241
41503	Vulpecula	7	11 48,43	2,644	64 35 19,4	14,896	26
41504	Aquarius	9	11 50,47	3,185	97 21 5,4	14,898	197
41505	Vulpecula	8½	11 52,13	2,616	63 7 30,5	14,900	243
41506	Cygnus	7	11 56,10	2,594	62 0 32,7	14,903	24
41507	Cygnus	8½	11 58,55	2,449	55 14 28,8	14,906	20
41508	Equuleus	7	11 58,69	3,015	86 29 45,8	14,906	107
41509	Cygnus	7	12 0,11	+2,496	57 21 12,0	14,907	243
41510	Cepheus	8	12 0,26	-2,191	9 39 13,4	14,907	365
41511	Cygnus	8½	12 1,50	+2,568	60 42 32,4	14,909	22
41512	Vulpecula	5½	12 2,30	2,689	66 58 42,8	14,910	30
41513	Vulpecula	5	12 2,96	2,690	66 58 43,0	14,910	29
41514	Capricornus ..	9	12 3,16	3,405	110 31 26,6	14,910	179
41515	Aquarius	7	12 4,48	3,171	96 28 33,1	14,912	100
41516	Aquarius	8½	12 5,27	3,172	96 31 22,2	14,912	107
41517	Cygnus	9	12 8,17	2,421	54 2 2,3	14,915	16
41518	Equuleus	8	12 10,15	3,013	86 21 20,4	14,917	107
41519	Pegasus	8	12 10,16	2,808	73 39 57,0	14,917	180
41520	Equuleus	9	21 12 10,90	+2,912	80 0 6,9	-14,918	110

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41521	Aquarius	6	21 12 12,29	+3,230	100 9 42,2	-14,919	112
41522	Aquarius	9	12 14,47	3,093	91 28 27,6	14,921	184
41523	Cygnus	7	12 15,52	2,375	52 9 5,3	14,922	14
41524	Aquarius	8	12 17,10	3,099	91 51 53,5	14,924	184
41525	Capricornus ..	7	12 17,44	3,506	116 2 56,9	14,924	181
41526	Aquarius	8½	12 21,34	3,250	101 26 0,4	14,928	114
41527	Aquarius	8½	12 22,23	3,250	101 26 2,9	14,929	571
41528	Aquarius	8	12 22,57	3,138	94 23 22,9	14,929	183
41529	Aquarius	8	12 23,42	3,298	104 21 29,0	14,930	176
41530	Cygnus	7	12 24,10	2,520	58 23 12,9	14,931	243
41531	Cygnus	9	12 26,65	2,430	54 21 37,4	14,933	16
41532	Cygnus	8½	12 27,66	2,426	54 13 22,3	14,934	16
41533	Equuleus	6½	12 28,42	3,037	87 55 35,1	14,935	105
41534	Capricornus ..	8½	12 35,53	3,512	116 23 28,5	14,942	181
41535	Cygnus	7	12 35,92	2,055	41 19 51,4	14,942	388
41536	Cygnus	7	12 35,98	2,055	41 19 50,7	14,942	369
41537	Cygnus	8½	12 36,52	2,566	60 34 1,0	14,943	22
41538	Pegasus	8	12 37,66	2,808	73 37 55,8	14,944	180
41539	Draco.....	9½	12 38,09	0,069	16 33 17,9	14,944	364
41540	Capricornus ..	7	12 39,51	3,459	113 35 37,4	14,945	185
41541	Cygnus	7	12 40,35	2,334	50 29 9,1	14,947	5
41542	Equuleus	8	12 41,67	2,961	83 2 57,0	14,948	102
41543	Capricornus ..	6	12 47,76	3,424	111 41 35,0	14,954	179
41544	Aquarius	8	12 48,80	3,274	102 54 28,4	14,955	114
41545	Pegasus	6	12 50,26	2,764	71 2 39,8	14,956	117
41546	Pegasus	4	12 50,30	2,764	71 2 35,6	14,956	188
41547	Pegasus	4½	12 50,31	2,764	71 2 37,1	14,956	32
41548	Pegasus	4	12 50,36	2,764	71 2 36,2	14,956	117
41549	Aquarius	8	12 52,02	3,095	91 37 7,8	14,958	184
41550	Capricornus ..	8	12 52,16	3,469	114 8 20,6	14,958	185
41551	Cygnus	7	12 52,23	1,950	38 31 0,1	14,958	301
41552	Cygnus	9	12 54,07	2,601	62 16 31,5	14,960	24
41553	Vulpecula ....	.	12 55,18	2,676	66 10 14,6	14,961	29
41554	Cygnus	6½	12 56,51	2,518	58 13 51,7	14,962	243
41555	Equuleus .. β	6	12 57,86	2,977	84 2 15,3	14,963	186
41556	Pegasus	9	13 5,92	2,880	77 57 8,5	14,971	106
41557	Cygnus	7½	13 12,00	+2,307	49 24 3,7	14,977	17
41558	Cepheus.....	8½	13 14,65	-1,058	12 9 40,1	14,980	351
41559	Cygnus	6½	13 14,86	+1,922	37 46 59,2	14,980	301
41560	Aquarius	6	21 13 15,02	+3,287	103 43 37,9	-14,980	176

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41561	Equuleus	7½	21 13 16,21	+3,040	88 4 48,1	-14,981	105
41562	Aquarius	8	13 16,78	3,186	97 25 54,3	14,982	197
41563	Aquarius	9	13 19,28	3,186	97 25 52,3	14,984	197
41564	Aquarius	9	13 27,67	+3,285	103 38 49,4	14,992	176
41565	Draco.....	7½	13 27,86	-0,361	14 31 16,2	14,993	351
41566	Cygnus	8½	13 30,23	+2,294	48 51 52,1	14,995	17
41567	Cygnus	7	13 31,31	1,927	37 52 9,3	14,996	301
41568	Pegasus	8½	13 31,64	2,829	74 50 36,2	14,996	180
41569	Equuleus	7½	13 32,34	2,963	81 23 33,5	14,997	102
41570	Aquarius	8	13 34,32	3,188	97 35 38,7	14,999	197
41571	Pegasus	8	13 34,36	2,794	72 47 2,5	14,999	188
41572	Pegasus	8½	13 34,56	2,794	72 47 3,5	14,999	117
41573	Vulpecula	9	13 34,83	2,649	64 39 16,7	14,999	26
41574	Cygnus	9	13 35,84	2,147	43 54 8,6	15,000	241
41575	Aquarius	8	13 36,12	3,057	89 10 3,5	15,001	189
41576	Pegasus	8	13 43,08	2,821	74 21 4,5	15,007	180
41577	Equuleus	8	13 43,45	2,928	80 54 54,8	15,008	110
41578	Equuleus	8	13 44,54	2,940	81 39 35,9	15,009	102
41579	Capricornus ..	8½	13 47,79	3,482	114 54 39,8	15,012	185
41580	Aquarius	8½	13 48,24	3,268	102 37 29,9	15,012	114
41581	Aquarius	8	13 48,74	3,268	102 37 41,8	15,013	571
41582	Equuleus	9	13 58,44	2,925	80 44 38,4	15,022	110
41583	Aquarius	8	14 0,31	3,187	97 33 44,4	15,024	197
41584	Aquarius	9	14 1,70	3,073	90 13 20,7	15,025	189
41585	Pegasus	7	14 1,99	2,862	76 47 51,3	15,026	106
41586	Pegasus	7	14 2,83	2,862	76 47 50,7	15,027	104
41587	Cygnus	9	14 4,53	2,535	58 53 1,1	15,028	243
41588	Cygnus	6	14 6,42	2,569	60 32 16,2	15,030	22
41589	Cygnus	7½	14 7,08	2,156	44 6 58,6	15,030	241
41590	Cygnus	8½	14 8,23	2,494	56 59 7,9	15,032	20
41591	Aquarius	7	14 10,16	3,169	96 25 48,2	15,034	100
41592	Capricornus ..	8	14 10,72	3,503	116 5 26,9	15,034	181
41593	Cygnus	8½	14 11,89	2,264	47 42 6,0	15,035	2
41594	Aquarius	8	14 14,58	3,210	99 2 13,4	15,038	112
41595	Capricornus ..	8½	14 15,41	3,296	104 20 47,5	15,038	176
41596	Capricornus ..	7	14 16,59	3,476	114 40 26,1	15,040	185
41597	Cygnus	9	14 17,88	2,148	43 49 8,3	15,041	241
41598	Cygnus	8	14 19,24	2,419	53 40 59,9	15,042	16
41599	Aquarius	9	14 19,74	3,074	90 17 35,8	15,043	189
41600	Cygnus	8½	21 14 24,72	+2,111	42 40 50,9	-15,048	388

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41601	Capricornus ..	7	21 14 24.90	+3,309	105 7 46.8	-15,048	178
41602	Draco.....	9	14 24.92	-0,006	16 2 1.1	15,048	364
41603	Aquarius	7	14 25.74	+3,135	94 14 43.9	15,049	183
41604	Pegasus	8	14 26.67	2,916	80 8 52.5	15,050	116
41605	Aquarius	6	14 27.54	3,235	100 35 29.1	15,050	112
41606	Capricornus ..	8½	14 28.89	3,382	109 26 18.5	15,052	177
41607	Capricornus ..	9	14 28.99	3,382	109 26 21.8	15,052	179
41608	Cygnus	9	14 31.19	2,535	58 49 10.9	15,054	243
41609	Cygnus	8	14 31.25	2,584	61 12 2.9	15,054	243
41610	Cygnus	7	14 31.75	2,584	61 12 6.6	15,054	24
41611	Capricornus ..	8	14 33.69	3,488	115 20 13.0	15,056	181
41612	Aquarius	8½	14 34.71	3,171	96 33 7.4	15,057	100
41613	Pegasus	9	14 35.65	2,886	78 13 57.4	15,058	106
41614	Cygnus	8	14 36.57	2,381	52 5 5.1	15,059	14
41615	Equuleus	6½	14 38.28	2,925	80 40 41.3	15,061	116
41616	Equuleus	6½	14 38.49	2,925	80 40 39.1	15,061	110
41617	Equuleus	8½	14 40.16	3,015	86 28 59.8	15,062	107
41618	Cygnus	8	14 40.50	2,581	61 2 12.6	15,063	243
41619	Cygnus	7½	14 41.28	2,581	61 2 17.4	15,064	24
41620	Aquarius	8½	14 43.86	+3,118	93 9 38.1	15,066	184
41621	Cepheus.....	9	14 44.36	-2,040	9 48 13.8	15,067	365
41622	Aquarius	8	14 44.84	+3,113	92 50 22.3	15,067	184
41623	Cygnus	9	14 46.85	2,154	43 57 15.4	15,069	241
41624	Cygnus	6½	14 49.37	2,385	52 12 48.3	15,071	14
41625	Aquarius	6	14 50.57	3,138	94 24 18.3	15,072	183
41626	Cygnus	8	14 51.20	1,922	37 33 23.6	15,073	301
41627	Cygnus	7	14 56.58	2,384	52 7 59.1	15,078	14
41628	Vulpecula	5½	14 58.43	2,688	66 34 35.2	15,080	29
41629	Capricornus ..	7½	14 59.97	3,423	111 51 15.0	15,082	179
41630	Cygnus .....	.	15 1.99	2,328	49 54 57.4	15,084	5
41631	Cygnus .....	.	15 2.59	2,334	50 9 7.6	15,084	5
41632	Cygnus	6½	15 3.63	2,072	41 27 46.2	15,085	388
41633	Cygnus	6½	15 3.88	2,072	41 27 48.5	15,085	369
41634	Cygnus	9	15 7.81	2,609	62 22 42.9	15,089	243
41635	Pegasus	8½	15 8.09	2,856	76 22 22.6	15,089	104
41636	Cygnus	9	15 9.74	2,586	61 13 6.7	15,091	243
41637	Vulpecula	6	15 11.85	2,669	65 32 19.9	15,093	29
41638	Capricornus . ζ	4	15 12.35	3,448	113 15 43.5	15,094	179
41639	Capricornus . ζ	4	15 13.17	3,448	113 16 1.5	15,094	179
41640	Capricornus . ζ	4	21 15 13.94	+3,448	113 16 7.3	-15,095	185

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41641	Pegasus	8	21 15 14.15	+2,835	75 4 11.9	-15,095	180
41642	Cygnus	8½	15 16.03	2,252	47 6 31.3	15,097	17
41643	Cygnus	8	15 16.82	2,556	59 43 59.8	15,098	22
41644	Cygnus	6	15 17.31	2,417	53 26 43.1	15,098	16
41645	Equuleus	7½	15 17.61	2,938	81 28 11.0	15,099	102
41646	Aquarius	8½	15 21.10	3,211	99 8 10.3	15,102	112
41647	Capricornus ..	9	15 24.70	3,324	106 6 4.8	15,105	178
41648	Vulpecula	6	15 24.76	2,684	66 19 24.7	15,105	29
41649	Cygnus	6½	15 28.16	2,561	59 54 58.9	15,108	22
41650	Cygnus	7	15 31.09	2,071	41 21 27.1	15,111	369
41651	Aquarius	7	15 31.49	3,272	102 56 22.2	15,112	571
41652	Pegasus	8	15 32.22	2,926	80 42 42.1	15,113	116
41653	Cygnus	7½	15 32.64	2,071	41 21 29.7	15,113	388
41654	Pegasus .....	.	15 35.46	2,919	80 15 23.2	15,116	110
41655	Aquarius	7	15 36.87	3,075	90 19 13.5	15,117	189
41656	Aquarius	8	15 37.68	3,253	101 46 16.8	15,118	114
41657	Aquarius	8	15 37.82	3,253	101 46 21.6	15,118	571
41658	Vulpecula	5	15 41.35	2,655	64 40 42.8	15,121	26
41659	Equuleus	8½	15 41.51	2,934	81 13 30.4	15,121	102
41660	Draco.....	9	15 42.01	0,049	16 13 1.6	15,122	364
41661	Cygnus	8½	15 43.08	2,354	50 49 59.8	15,123	5
41662	Cygnus	6	15 43.35	2,420	53 30 1.1	15,123	16
41663	Pegasus	9	15 46.16	2,832	74 51 2.5	15,126	180
41664	Piscis Aust. ..	7	15 46.61	+3,548	118 35 3.3	15,126	569
41665	Cepheus.....	8	15 47.36	-1,112	11 51 38.0	15,127	351
41666	Pegasus	8	15 50.32	+2,791	72 23 20.3	15,130	188
41667	Cygnus	8½	15 50.44	2,544	59 4 18.9	15,130	243
41668	Pegasus	8	15 50.88	2,902	79 12 8.5	15,130	106
41669	Pegasus	8	15 50.92	2,791	72 23 29.3	15,130	117
41670	Capricornus ..	6	15 52.84	3,425	112 3 6.6	15,132	179
41671	Cygnus	7½	15 53.24	2,232	46 20 0.0	15,133	1
41672	Pegasus	9½	15 54.08	2,857	76 22 58.4	15,134	104
41673	Capricornus ..	8½	15 54.16	3,469	114 28 25.5	15,134	185
41674	Vulpecula	6	15 55.11	2,660	64 58 27.1	15,135	26
41675	Cygnus	9	15 56.67	2,077	41 28 19.6	15,136	388
41676	Pegasus	8½	15 58.00	2,840	75 19 21.7	15,137	104
41677	Pegasus	8½	15 58.16	2,840	75 19 26.1	15,137	180
41678	Aquarius ....	.	16 2.33	3,175	96 51 21.0	15,141	100
41679	Aquarius	8½	16 5.33	3,129	93 50 23.4	15,144	183
41680	Pegasus	9	21 16 5.45	+2,788	72 11 50.9	-15,144	117

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41681	Pegasus	9	21 16 5.76	+2,788	72 11 44.0	-15,145	188
41682	Pegasus	16 9.71	2,918	80 11 26.1	15,149	116
41683	Capricornus ..	8½	16 11.62	3,407	111 3 55.8	15,150	179
41684	Vulpecula	6½	16 12.40	2,631	63 26 12.3	15,151	26
41685	Aquarius	7	16 14.17	3,066	89 44 38.1	15,153	190
41686	Vulpecula	7½	16 17.27	2,686	66 21 45.4	15,156	29
41687	Pegasus	7	16 18.66	2,839	75 14 8.9	15,157	180
41688	Pegasus	7½	16 18.99	2,839	75 14 11.4	15,157	104
41689	Pegasus	9	16 25.62	2,884	78 0 59.4	15,164	106
41690	Aquarius	8½	16 25.63	3,124	93 35 27.6	15,163	183
41691	Capricornus ..	7	16 26.45	3,295	104 26 40.4	15,165	176
41692	Pegasus	7½	16 32.73	2,927	80 42 43.6	15,171	110
41693	Aquarius	8	16 34.25	3,219	99 38 41.8	15,172	112
41694	Aquarius	9	16 36.82	3,222	99 53 22.7	15,174	112
41695	Cygnus	7½	16 38.31	2,154	43 41 15.5	15,176	241
41696	Piscis Aust. ..	9	16 38.47	3,523	117 23 50.8	15,176	181
41697	Cygnus	7½	16 39.94	2,593	61 23 39.5	15,177	243
41698	Aquarius	8	16 40.12	3,256	102 1 22.7	15,178	571
41699	Cygnus	7½	16 40.61	2,593	61 23 42.9	15,178	24
41700	Equuleus	7	16 41.05	3,000	85 25 6.0	15,178	107
41701	Capricornus ..	8½	16 45.02	3,294	104 25 15.2	15,182	176
41702	Aquarius	7	16 46.80	3,264	102 31 15.7	15,184	571
41703	Capricornus ..	8½	16 47.03	3,433	112 34 13.0	15,184	179
41704	Aquarius	7½	16 47.19	3,264	102 31 18.5	15,184	114
41705	Capricornus ..	8	16 58.79	3,292	104 17 24.6	15,195	176
41706	Aquarius	8	16 59.65	3,125	93 37 45.4	15,196	183
41707	Cygnus	8	17 1.62	2,483	56 6 47.6	15,198	20
41708	Aquarius	9	17 3.70	3,072	90 10 49.8	15,200	190
41709	Capricornus ..	8	17 3.85	3,296	104 33 18.9	15,200	176
41710	Pegasus	7	17 9.43	2,778	71 28 58.7	15,206	188
41711	Cygnus	9	17 9.62	2,244	46 33 54.5	15,206	1
41712	Pegasus	7½	17 9.88	2,919	80 11 25.5	15,206	110
41713	Aquarius	8	17 12.27	3,268	102 47 18.6	15,208	114
41714	Aquarius	8½	17 12.96	3,270	102 57 0.3	15,209	571
41715	Aquarius	9	17 13.08	3,067	89 49 9.0	15,209	190
41716	Capricornus ..	8½	17 13.23	3,355	108 7 6.4	15,209	177
41717	Cygnus	7	17 14.93	2,001	39 11 51.9	15,211	301
41718	Equuleus	8	17 15.58	2,977	83 57 2.1	15,211	186
41719	Cygnus	17 16.08	2,001	39 11 55.8	15,212	374
41720	Aquarius	8½	21 17 17.22	+3,265	102 37 39.8	-15,213	114

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41721	Capricornus.. b	9	21 17 17.28	+3.434	112 40 3.9	-15.213	179
41722	Aquarius	8	17 17.58	3.267	102 47 12.7	15.213	571
41723	Equuleus	8½	17 17.87	3.001	85 27 57.7	15.213	107
41724	Pegasus	9	17 19.90	2.914	79 53 11.9	15.215	110
41725	Aquarius	7	17 23.13	3.262	102 25 31.3	15.218	571
41726	Aquarius	6½	17 23.32	3.262	102 25 38.9	15.219	115
41727	Cygnus	8½	17 24.17	2.512	57 22 28.6	15.220	243
41728	Cygnus	9	17 25.45	2.333	49 46 55.1	15.221	5
41729	Pegasus	8	17 26.13	2.755	70 8 43.2	15.221	32
41730	Cygnus	8	17 26.77	1.971	38 24 29.0	15.222	301
41731	Cygnus	6	17 36.80	2.442	54 11 21.0	15.231	16
41732	Vulpecula	8½	17 38.46	2.693	66 33 52.2	15.233	29
41733	Cygnus	8½	17 38.50	2.158	43 39 48.3	15.233	241
41734	Pegasus	7	17 41.17	2.832	74 43 51.8	15.236	180
41735	Cygnus	8	17 42.87	2.289	48 4 22.4	15.237	2
41736	Cygnus	7½	17 43.83	2.289	48 4 25.3	15.238	17
41737	Aquarius	8	17 44.89	3.122	93 28 13.1	15.239	113
41738	Cygnus	9	17 48.58	2.086	41 27 52.5	15.243	388
41739	Pegasus	9	17 49.67	2.832	74 40 51.7	15.244	180
41740	Aquarius	8	17 55.14	3.122	93 28 8.9	15.249	183
41741	Pegasus	8½	17 55.68	2.829	74 30 47.4	15.249	180
41742	Equuleus	7½	17 55.82	3.034	87 40 42.7	15.249	105
41743	Cygnus	7½	17 56.47	2.089	41 32 4.6	15.250	388
41744	Aquarius	8	17 56.97	3.127	93 44 49.8	15.250	113
41745	Aquarius	7½	17 56.99	3.127	93 44 47.7	15.250	183
41746	Cygnus	6	17 59.33	2.175	44 8 47.7	15.253	241
41747	Aquarius	9½	18 1.78	3.220	99 48 11.9	15.255	112
41748	Capricornus ..	7½	18 7.43	3.297	104 39 31.0	15.260	176
41749	Cygnus	8	18 7.70	2.512	57 16 13.3	15.261	243
41750	Aquarius	8	18 10.34	3.220	99 51 8.0	15.263	112
41751	Equuleus	9	18 12.19	2.983	84 18 56.6	15.265	186
41752	Pegasus	9	18 24.89	2.921	80 15 7.2	15.277	116
41753	Pegasus	8½	18 25.89	2.921	80 15 12.2	15.278	110
41754	Cygnus	8½	18 29.59	1.976	38 23 2.7	15.281	301
41755	Cygnus	8	18 30.98	2.247	46 27 54.7	15.283	1
41756	Equuleus	7	18 33.16	2.958	82 39 56.2	15.285	102
41757	Aquarius	8½	18 36.57	3.269	102 56 33.7	15.288	115
41758	Pegasus	8	18 38.73	2.740	69 7 39.5	15.290	30
41759	Pegasus	7½	18 39.06	2.740	69 7 46.6	15.291	32
41760	Capricornus ..	9	21 18 42.67	+3.300	104 53 17.0	-15.294	176

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			h m s	s	° ' "	"	
41761	Vulpecula	7½	21 18 43.65	+2,629	62 59 22.5	-15,295	26
41762	Vulpecula	7½	18 44.03	2,629	62 59 18.9	15,295	24
41763	Cygnus	9	18 44.85	2,177	44 6 22.4	15,296	241
41764	Cygnus	8½	18 44.86	2,347	50 7 21.7	15,296	5
41765	Capricornus ..	7	18 45.17	3,385	110 0 40.4	15,296	179
41766	Cygnus	8	18 47.83	2,284	47 44 23.5	15,299	17
41767	Vulpecula	5	18 51.46	2,634	63 15 21.7	15,302	26
41768	Capricornus ..	8	18 51.61	3,493	116 3 36.2	15,302	181
41769	Vulpecula	6	18 51.69	2,634	63 15 23.0	15,302	243
41770	Vulpecula	5	18 51.84	2,634	63 15 22.1	15,302	24
41771	Cygnus . . . . .	.	18 57.68	2,375	51 12 7.2	15,308	14
41772	Cygnus	8	18 58.82	2,440	53 55 52.1	15,309	16
41773	Cygnus	8	18 58.95	2,275	47 24 27.0	15,309	17
41774	Equuleus	9	18 59.70	2,965	83 6 23.9	15,310	102
41775	Vulpecula	7½	19 2.03	2,689	66 14 51.1	15,312	29
41776	Pegasus	7	19 8.52	2,914	79 46 52.4	15,318	116
41777	Pegasus	7	19 8.85	+2,914	79 46 53.1	15,318	110
41778	Cepheus	8	19 10.87	-0,907	12 14 58.3	15,320	351
41779	Cygnus	8	19 11.09	+1,965	38 0 0.2	15,321	301
41780	Cygnus	8	19 12.13	2,266	47 2 57.9	15,322	1
41781	Capricornus ..	9	19 12.61	3,336	107 10 19.8	15,322	177
41782	Cygnus	5	19 12.89	2,437	53 44 44.7	15,322	16
41783	Piscis Aust. ..	8½	19 19.58	3,528	118 0 22.9	15,329	569
41784	Cygnus	7½	19 23.84	2,286	47 43 1.1	15,332	17
41785	Capricornus ..	9	19 31.23	3,305	105 17 38.3	15,339	178
41786	Pegasus	9	19 33.49	2,815	73 31 42.5	15,342	180
41787	Cygnus	6	19 35.18	2,545	58 38 39.4	15,343	243
41788	Cygnus	8½	19 35.89	2,545	58 40 14.5	15,344	243
41789	Cygnus	6½	19 36.58	2,477	55 27 20.6	15,344	20
41790	Equuleus	7½	19 38.07	2,983	84 17 12.1	15,346	186
41791	Pegasus	7½	19 38.12	2,806	72 57 32.9	15,346	188
41792	Aquarius	8½	19 41.30	3,059	89 15 43.5	15,349	105
41793	Pegasus	9	19 41.58	2,929	80 44 50.6	15,349	110
41794	Capricornus ..	7	19 41.99	3,303	105 9 28.6	15,350	178
41795	Capricornus ..	7½	19 42.47	3,303	105 9 23.0	15,350	176
41796	Vulpecula	7½	19 42.89	2,690	66 11 45.8	15,351	29
41797	Cygnus	6½	19 45.65	2,115	42 1 49.1	15,353	388
41798	Cygnus	8	19 49.82	2,586	60 38 13.9	15,357	22
41799	Pegasus	5½	19 51.06	2,734	68 41 11.4	15,358	30
41800	Pegasus	6	21 19 51.72	+2,734	68 41 17.6	-15,359	32

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41801	Cygnus	7½	21 19 51.72	+1,973	38 6 54.2	-15,359	301
41802	Aquarius	8	19 53.40	+3,106	92 24 6.8	15,360	184
41803	Cepheus.....	9	19 57.85	-1,788	10 2 12.8	15,365	365
41804	Capricornus ..	8½	20 4.99	+3,492	116 10 19.6	15,371	181
41805	Pegasus	9	20 5.23	2,870	76 56 15.6	15,371	104
41806	Pegasus	8½	20 5.66	2,870	76 56 32.1	15,371	37
41807	Capricornus ..	8½	20 8.66	3,435	113 11 41.2	15,374	179
41808	Cygnus	6½	20 8.94	1,969	37 57 58.1	15,375	301
41809	Cygnus	8	20 10.26	2,194	44 26 57.4	15,376	241
41810	Capricornus ..	8	20 10.61	3,384	110 6 27.4	15,377	179
41811	Pegasus	8½	20 15.61	2,834	74 40 9.9	15,381	180
41812	Capricornus ..	8	20 15.88	3,494	116 17 0.2	15,381	181
41813	Cygnus	9	20 16.08	2,545	58 33 26.1	15,382	243
41814	Vulpecula	6½	20 17.87	2,668	64 56 35.0	15,383	26
41815	Pegasus .....	.	20 18.31	2,898	78 42 4.1	15,384	106
41816	Pegasus .....	.	20 22.13	2,898	78 42 1.0	15,387	107
41817	Cygnus	9	20 27.55	2,540	58 19 11.9	15,392	243
41818	Pegasus	7½	20 30.33	2,897	78 35 21.9	15,395	106
41819	Cygnus	7	20 30.94	2,619	62 16 35.5	15,395	243
41820	Cygnus	6½	20 31.03	2,619	62 16 37.2	15,396	24
41821	Capricornus ..	9	20 31.74	3,490	116 5 52.5	15,396	181
41822	Cygnus	8	20 33.81	2,192	44 18 19.1	15,398	241
41823	Pegasus	9	20 36.53	2,614	61 59 36.1	15,401	243
41824	Cygnus	7	20 38.36	2,805	72 49 35.1	15,403	117
41825	Aquarius	8½	20 38.53	3,046	88 23 20.2	15,403	105
41826	Capricornus ..	8	20 40.59	3,273	103 23 3.3	15,405	571
41827	Cygnus .....	.	20 41.46	2,325	48 59 28.9	15,405	17
41828	Capricornus ..	8½	20 41.58	3,273	103 23 0.2	15,405	176
41829	Pegasus	8	20 42.17	2,757	69 55 11.6	15,406	32
41830	Aquarius	8½	20 43.27	3,109	92 36 11.1	15,407	184
41831	Aquarius	9	20 43.77	3,264	102 48 28.5	15,408	115
41832	Aquarius	9	20 49.08	3,236	100 58 53.4	15,412	112
41833	Aquarius	9	20 50.06	3,047	88 28 7.3	15,413	105
41834	Pegasus	9	20 50.21	2,926	80 30 7.9	15,413	116
41835	Aquarius	7½	20 51.91	3,230	100 36 28.0	15,415	112
41836	Pegasus	5	20 53.45	2,711	67 13 49.5	15,417	29
41837	Pegasus	5	20 53.55	2,711	67 13 49.3	15,417	30
41838	Vulpecula	8	20 55.36	2,672	65 2 58.0	15,418	26
41839	Pegasus	8½	20 55.93	2,926	80 29 59.7	15,419	110
41840	Aquarius	21 20 58.18	+3,166	96 26 45.2	-15,421	186

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41841	Capricornus ..	6½	21	21	0,28	+3,477	115 27 46,2	-15,423	185
41842	Aquarius	21	0,38	3,166	96 26 28,2	15,423	190	
41843	Aquarius .. β	3	21	0,86	3,166	96 26 39,6	15,423	197	
41844	Aquarius .. β	.	21	0,95	3,166	96 26 37,1	15,423	197	
41845	Aquarius .. β	.	21	1,06	3,166	96 26 33,9	15,424	113	
41846	Aquarius .. β	3	21	1,23	3,166	96 26 37,9	15,424	236	
41847	Aquarius .. β	3	21	1,52	3,166	96 26 38,2	15,424	188	
41848	Cygnus	9	21	1,69	2,364	50 29 4,8	15,424	5	
41849	Aquarius .. β	3	21	1,71	3,166	96 26 33,8	15,424	100	
41850	Pegasus	8	21	1,71	2,752	69 38 44,1	15,424	32	
41851	Aquarius .. β	3	21	1,97	+3,166	96 26 32,9	15,424	183	
41852	Cepheus	7½	21	4,16	-1,977	9 36 49,6	15,427	365	
41853	Pegasus	8½	21	5,26	+2,706	66 56 57,1	15,428	29	
41854	Pegasus	8	21	7,95	2,930	80 42 49,9	15,430	110	
41855	Capricornus ..	.	21	8,22	3,412	111 49 32,1	15,430	179	
41856	Pegasus	8	21	8,23	2,930	80 42 48,1	15,430	116	
41857	Cygnus	8½	21	9,21	2,367	50 33 56,9	15,431	5	
41858	Pegasus .....	.	21	10,76	2,706	66 56 29,0	15,433	29	
41859	Aquarius	7½	21	12,98	3,026	87 3 4,7	15,435	107	
41860	Pegasus	8½	21	13,49	2,833	74 31 40,5	15,435	180	
41861	Cygnus	8½	21	15,98	2,135	42 25 57,7	15,438	388	
41862	Capricornus ..	8½	21	16,02	3,426	112 39 10,7	15,438	179	
41863	Cygnus	9	21	22,30	2,323	48 47 56,2	15,443	2	
41864	Piscis Aust. ..	8	21	22,81	3,521	117 51 4,3	15,444	569	
41865	Cygnus .....	.	21	22,91	2,323	48 48 3,4	15,444	17	
41866	Cygnus	8	21	25,18	1,961	37 34 42,3	15,446	301	
41867	Cygnus	8½	21	27,10	2,596	60 58 47,6	15,448	22	
41868	Cygnus	7½	21	28,78	2,538	58 3 43,3	15,449	243	
41869	Pegasus	6½	21	29,06	2,900	78 44 1,7	15,450	106	
41870	Capricornus ..	6½	21	29,07	3,269	103 8 24,4	15,450	571	
41871	Capricornus ..	7	21	29,97	3,269	103 8 20,6	15,450	115	
41872	Capricornus ..	7½	21	30,03	3,269	103 8 24,9	15,451	176	
41873	Pegasus	8	21	31,20	2,830	74 17 55,1	15,451	180	
41874	Cygnus	7	21	36,08	2,245	45 56 46,6	15,456	1	
41875	Pegasus	9	21	36,43	2,971	83 20 24,3	15,456	186	
41876	Cygnus	8	21	37,78	2,466	54 41 37,7	15,458	16	
41877	Cygnus	8½	21	39,56	2,614	61 52 57,8	15,459	243	
41878	Cygnus	8	21	41,10	2,260	46 31 56,1	15,461	1	
41879	Pegasus	8½	21	44,65	3,106	92 24 55,4	15,464	184	
41880	Aquarius	9	21	21 46,51	+3,063	89 31 45,1	-15,466	190	

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41881	Pegasus	8½	21 21 46,52	+2,982	84 7 31,2	-15,466	186
41882	Pegasus	8½	21 46,98	2,964	82 56 15,6	15,467	102
41883	Cygnus	9	21 48,53	2,093	41 4 25,2	15,468	369
41884	Aquarius	9	21 48,66	3,242	101 25 1,7	15,468	112
41885	Aquarius	9	21 49,10	3,242	101 25 15,6	15,468	571
41886	Cygnus	7	21 49,80	2,482	55 23 57,5	15,469	20
41887	Pegasus	9	21 54,20	2,832	74 23 20,1	15,473	180
41888	Capricornus ..	8½	21 54,53	3,406	111 33 7,5	15,473	179
41889	Aquarius	8½	21 56,14	3,177	97 11 1,6	15,475	197
41890	Vulpecula	8½	22 1,56	2,675	65 6 40,7	15,480	26
41891	Aquarius	8½	22 3,18	+3,025	87 9 19,7	15,481	107
41892	Cepheus.....	9½	22 3,49	-1,514	10 30 38,2	15,482	365
41893	Cygnus . . . g	6½	22 4,27	+2,200	44 20 11,8	15,482	241
41894	Capricornus ..	8½	22 4,83	3,416	112 9 4,9	15,483	179
41895	Pegasus	8½	22 9,01	2,755	69 39 57,8	15,487	32
41896	Vulpecula	8½	22 11,91	2,670	64 49 35,2	15,490	26
41897	Cygnus	8	22 13,96	2,203	44 26 41,8	15,491	241
41898	Cygnus	7	22 15,12	2,557	58 55 3,1	15,492	243
41899	Aquarius	8	22 19,74	3,106	92 28 52,4	15,497	184
41900	Cygnus	8	22 22,15	2,594	60 44 21,9	15,499	22
41901	Cygnus	8½	22 23,34	2,628	62 30 25,3	15,500	243
41902	Cygnus	7½	22 27,17	2,327	48 49 35,9	15,504	17
41903	Cygnus	8	22 27,19	2,327	48 49 33,7	15,504	2
41904	Pegasus	7½	22 27,85	2,919	79 57 50,5	15,504	116
41905	Pegasus	7½	22 27,91	2,919	79 57 50,3	15,504	110
41906	Cygnus	8	22 28,17	2,591	60 35 38,6	15,505	22
41907	Equuleus	8	22 30,08	3,010	86 " 6,2	15,506	107
41908	Capricornus ..	7½	22 36,30	3,330	107 4 12,4	15,512	178
41909	Pegasus	8½	22 36,68	2,759	69 52 57,9	15,512	32
41910	Pegasus	8½	22 36,91	2,866	76 30 26,1	15,513	104
41911	Pegasus	8½	22 37,58	2,866	76 30 38,6	15,513	37
41912	Capricornus ..	7½	22 39,08	3,286	104 19 31,5	15,515	176
41913	Cygnus	7½	22 40,71	2,429	52 54 25,5	15,516	14
41914	Pegasus	8½	22 45,92	2,925	80 18 32,8	15,521	110
41915	Pegasus .....	.	22 46,82	2,711	67 1 46,5	15,522	29
41916	Pegasus	6	22 47,05	2,711	67 1 45,4	15,522	30
41917	Aquarius	9	22 47,17	3,103	92 13 51,7	15,522	184
41918	Pegasus	8	22 47,17	2,799	72 17 24,8	15,522	117
41919	Cygnus	8½	22 48,35	2,325	48 39 40,3	15,523	2
41920	Cygnus	8	21 22 49,55	+2,325	48 39 47,7	-15,524	17

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			h m s	s	° ' "	"	
41921	Aquarius	8½	21 22 51.64	+3,227	100 32 16.2	-15,527	112
41922	Cygnus	7	22 53.92	2,252	45 59 58.0	15,528	1
41923	Cygnus	8	22 57.78	2,477	54 59 58.5	15,532	16
41924	Piscis Aust. . .	8½	23 3.78	3,524	118 13 7.2	15,537	569
41925	Aquarius	8½	23 5.08	3,177	97 15 10.5	15,539	197
41926	Aquarius	8½	23 7.82	3,067	89 47 22.3	15,541	190
41927	Aquarius . . . .	.	23 7.98	3,015	86 18 51.6	15,541	107
41928	Aquarius . . . .	.	23 8.01	3,095	91 42 18.2	15,541	184
41929	Cygnus	8½	23 8.07	2,146	42 28 53.7	15,542	388
41930	Cygnus	7½	23 12.88	1,985	37 56 14.2	15,546	301
41931	Aquarius . . . .	.	23 16.79	3,034	87 35 52.7	15,549	105
41932	Pegasus	8½	23 17.75	2,936	80 59 8.9	15,550	102
41933	Capricornus . .	7½	23 21.79	3,286	104 21 52.3	15,554	176
41934	Pegasus	6	23 22.22	2,720	67 28 55.7	15,554	30
41935	Cygnus	8	23 22.70	2,523	57 3 35.7	15,555	20
41936	Aquarius	9	23 24.92	3,059	89 16 36.2	15,557	190
41937	Vulpecula	9	23 25.62	2,649	63 30 21.0	15,558	26
41938	Cygnus	8½	23 25.73	2,381	50 48 33.9	15,558	5
41939	Pegasus . . . . .	.	23 32.85	2,706	66 40 25.7	15,564	29
41940	Capricornus . .	8½	23 35.50	3,399	111 19 24.9	15,567	179
41941	Capricornus . .	9	23 35.61	3,334	107 24 12.2	15,567	177
41942	Capricornus . .	6	23 35.90	3,393	110 58 1.8	15,567	179
41943	Capricornus . .	6	23 36.19	3,393	110 58 3.1	15,567	179
41944	Cygnus . . . . .	.	23 38.57	2,405	51 44 47.6	15,569	14
41945	Pegasus	9	23 38.80	2,814	73 9 19.5	15,570	117
41946	Capricornus . .	6½	23 39.02	3,395	111 7 50.4	15,570	179
41947	Aquarius	7½	23 39.07	3,147	95 14 57.3	15,570	100
41948	Capricornus . .	6½	23 39.18	3,395	111 7 46.1	15,570	179
41949	Cygnus	6½	23 39.51	1,987	37 55 4.1	15,571	301
41950	Cygnus	7½	23 39.72	2,515	56 40 29.3	15,571	20
41951	Cygnus . . . . .	.	23 41.16	1,987	37 55 4.5	15,572	374
41952	Capricornus . .	9	23 43.64	3,337	107 36 46.6	15,574	177
41953	Piscis Aust. . .	8½	23 43.79	3,484	116 12 8.3	15,574	181
41954	Aquarius	8½	23 44.39	3,133	94 19 47.7	15,575	182
41955	Aquarius	9	23 44.44	3,133	94 19 51.4	15,575	113
41956	Aquarius	9	23 44.52	3,133	94 19 51.7	15,575	183
41957	Pegasus	7	23 44.78	2,766	70 9 51.7	15,575	32
41958	Capricornus . .	6½	23 48.09	3,451	114 20 4.9	15,576	185
41959	Aquarius	8	23 49.71	3,133	94 17 25.2	15,580	113
41960	Pegasus	8½	21 23 49.80	+2,708	66 45 9.7	-15,580	29

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			h m s	s	° ' "	"	
41961	Aquarius	7	21 23 49.82	+3,133	94 17 20.5	-15,580	182
41962	Aquarius	7	23 49.87	3,133	94 17 17.6	15,580	183
41963	Aquarius	9	23 50.50	3,062	89 29 56.5	15,580	190
41964	Cygnus	8	23 52.56	2,537	57 42 23.3	15,582	243
41965	Cygnus	8	23 53.56	+2,590	60 18 20.7	15,585	22
41966	Draco.....	7½	23 55.93	-0,229	14 19 4.2	15,586	351
41967	Cygnus	•	23 58.01	+2,341	49 7 55.1	15,587	2
41968	Draco.....	7	23 58.04	-0,365	13 46 19.3	15,587	351
41969	Cygnus	8	23 58.49	+2,341	49 7 58.7	15,588	17
41970	Pegasus	8½	23 59.67	+2,921	79 58 36.0	15,589	116
41971	Cepheus.....	8	24 0.67	-1,466	10 30 40.0	15,590	351
41972	Aquarius	8	24 1.30	+3,218	99 57 53.6	15,591	112
41973	Aquarius	9½	24 1.33	3,215	99 49 55.1	15,591	112
41974	Aquarius	8	24 1.75	3,192	98 16 29.4	15,591	197
41975	Pegasus	8	24 7.91	2,924	80 11 47.2	15,597	110
41976	Vulpecula	9	24 8.10	2,651	63 32 7.9	15,597	26
41977	Pegasus	8	24 8.19	2,924	80 11 56.3	15,597	116
41978	Pegasus	7	24 9.35	2,752	69 17 20.6	15,598	32
41979	Pegasus	8	24 13.06	2,942	81 22 37.6	15,601	102
41980	Aquarius	9½	24 15.81	3,214	99 43 22.6	15,604	112
41981	Cygnus	7½	24 19.51	2,547	58 6 5.6	15,607	243
41982	Cygnus	8	24 20.21	2,595	60 31 7.3	15,608	22
41983	Pegasus	8½	24 21.03	2,848	75 11 30.4	15,608	104
41984	Capricornus ..	8½	24 21.07	3,370	109 39 11.0	15,608	179
41985	Cygnus	8	24 21.83	2,477	54 47 56.6	15,609	16
41986	Pegasus	9	24 25.36	2,901	78 39 11.6	15,612	106
41987	Aquarius	8½	24 27.10	3,049	88 37 21.5	15,614	105
41988	Cygnus	8	24 27.85	2,484	55 6 50.3	15,615	16
41989	Cygnus	7	24 29.93	2,021	38 41 7.9	15,617	301
41990	Cygnus	8½	24 31.64	2,147	42 17 30.8	15,618	388
41991	Aquarius	7½	24 31.87	3,056	89 3 8.4	15,619	190
41992	Cygnus	9	24 31.93	2,022	38 41 3.6	15,619	369
41993	Piscis Aust. ..	5	24 33.51	3,498	117 3 18.1	15,620	181
41994	Piscis Aust. ..	4½	24 33.53	3,498	117 3 9.9	15,620	185
41995	Piscis Aust. ..	5	24 33.66	3,498	117 3 18.1	15,620	569
41996	Pegasus	7½	24 34.22	2,820	73 26 3.0	15,621	180
41997	Pegasus	9	24 35.68	3,004	85 29 44.4	15,622	107
41998	Capricornus ..	9	24 37.31	3,276	103 51 5.4	15,623	176
41999	Aquarius	8	24 37.52	3,137	94 37 0.3	15,624	182
42000	Aquarius	8½	21 24 37.59	+3,137	94 36 53.9	-15,624	113

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42001	Aquarius	8	21 24 38.12	+3.137	94 36 58.1	-15.624	183
42002	Pegasus	8	24 40.20	2,926	80 16 46.2	15,626	116
42003	Pegasus	8	24 40.44	2,929	80 26 46.4	15,626	110
42004	Cygnus	6½	24 42.75	2,006	38 15 27.3	15,628	301
42005	Capricornus ..	8½	24 43.64	3,258	102 40 22.8	15,629	571
42006	Pegasus	8	24 43.86	2,901	78 36 56.4	15,630	106
42007	Cygnus .....	.	24 44.60	2,007	38 15 28.2	15,630	374
42008	Vulpecula	8	24 44.68	2,648	63 16 37.2	15,630	26
42009	Aquarius	8½	24 46.14	3,050	88 37 59.3	15,631	105
42010	Cygnus	8	24 46.30	2,410	51 48 27.2	15,632	14
42011	Pegasus	8	24 48.39	2,921	79 57 39.5	15,634	110
42012	Pegasus	8	24 48.67	2,921	79 57 45.7	15,634	116
42013	Cygnus .....	.	24 48.81	2,221	44 37 20.6	15,634	1
42014	Cygnus	8	24 48.95	2,221	44 37 19.3	15,634	241
42015	Pegasus	8½	24 49.51	2,876	76 57 30.1	15,635	104
42016	Aquarius	6	24 50.14	3,141	94 51 58.8	15,635	182
42017	Aquarius	6½	24 50.37	3,141	94 51 56.5	15,635	113
42018	Aquarius	8	24 50.64	3,141	94 51 58.8	15,635	183
42019	Cygnus	7½	24 52.39	2,331	48 34 54.2	15,637	2
42020	Cygnus	7	24 52.80	2,331	48 34 53.7	15,638	17
42021	Cygnus	8	24 54.09	2,527	57 4 46.2	15,639	20
42022	Cygnus	8	24 55.77	+2,379	50 28 18.8	15,640	5
42023	Draco	8	24 57.94	-0,078	14 53 46.3	15,642	364
42024	Cygnus	8	25 4.69	+2,154	42 26 5.6	15,648	388
42025	Pegasus .....	.	25 5.32	2,711	66 47 22.2	15,649	29
42026	Aquarius	8	25 11.10	3,068	89 54 9.0	15,654	190
42027	Piscis Aust. ..	7½	25 15.13	3,543	119 29 36.0	15,658	569
42028	Cygnus	9½	25 17.09	2,037	38 59 2.5	15,660	369
42029	Cygnus	8½	25 17.15	2,541	57 40 1.8	15,660	243
42030	Cygnus	8½	25 22.05	2,548	58 0 25.2	15,664	243
42031	Pegasus	7½	25 23.49	2,807	72 33 21.3	15,665	117
42032	Capricornus ..	8½	25 24.11	3,412	112 23 7.3	15,666	179
42033	Pegasus	6	25 25.93	2,734	68 7 31.7	15,668	30
42034	Cygnus	7½	25 28.56	2,426	52 21 13.5	15,670	14
42035	Pegasus	8	25 29.42	2,939	81 5 57.3	15,671	116
42036	Vulpecula	9	25 31.95	2,677	64 48 21.8	15,673	26
42037	Cygnus	8½	25 32.57	2,006	38 7 40.0	15,674	301
42038	Capricornus ..	9	25 32.59	3,341	107 59 11.5	15,674	177
42039	Pegasus	8½	25 33.00	2,798	71 57 56.6	15,674	117
42040	Cygnus	8½	21 25 33.72	+2,003	38 2 48.9	-15,675	301

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			h m s	s	° ' "	"	
42041	Cygnus	8	21 25 44.51	+2,317	47 54 42.5	-15,685	17
42042	Cygnus	7	25 48.94	2,237	45 1 43.5	15,689	1
42043	Capricornus ..	9	25 49.77	3,283	104 20 37.5	15,690	176
42044	Pegasus	8½	25 50.48	2,841	74 41 6.3	15,690	180
42045	Capricornus s	4	25 51.86	3,379	110 21 14.9	15,691	179
42046	Capricornus s	4	25 52.06	3,379	110 21 13.1	15,691	186
42047	Cygnus	9	25 53.33	2,180	43 6 31.5	15,693	241
42048	Aquarius	8½	25 54.79	3,215	99 55 51.9	15,694	112
42049	Pegasus .....	.	25 55.57	3,003	85 23 48.7	15,695	107
42050	Cygnus	8	25 55.69	2,163	42 34 39.4	15,695	388
42051	Cygnus	8	25 56.82	2,489	55 7 31.4	15,696	16
42052	Pegasus	6½	25 59.17	2,758	69 28 51.1	15,698	32
42053	Pegasus	8	26 0.23	2,994	84 48 51.6	15,699	186
42054	Aquarius	7	26 2.95	3,156	95 56 15.6	15,702	100
42055	Aquarius	9½	26 5.09	3,142	94 57 20.4	15,703	113
42056	Capricornus ..	9	26 7.41	3,290	104 51 49.0	15,706	176
42057	Pegasus	8½	26 9.01	2,798	71 55 2.4	15,707	117
42058	Capricornus ..	8	26 9.22	3,232	101 3 42.5	15,707	115
42059	Capricornus ..	9	26 11.45	3,251	102 17 59.3	15,709	571
42060	Aquarius	8	26 15.34	3,170	96 53 25.6	15,713	100
42061	Pegasus	8	26 15.72	2,993	84 45 6.4	15,713	186
42062	Vulpecula	9	26 18.98	2,675	64 37 8.2	15,716	26
42063	Pegasus	6	26 24.38	2,710	66 25 53.2	15,721	29
42064	Capricornus ..	8	26 25.96	3,374	110 7 15.1	15,722	179
42065	Cygnus	7½	26 26.45	2,573	59 6 6.1	15,723	22
42066	Pegasus	9	26 26.71	2,845	74 53 43.4	15,723	180
42067	Aquarius ....	.	26 27.36	3,152	95 40 25.6	15,724	100
42068	Cygnus	6	26 27.73	2,641	62 41 14.2	15,724	24
42069	Cygnus	6	26 27.79	2,641	62 41 10.5	15,724	243
42070	Cygnus p	4	26 27.95	2,248	45 17 14.6	15,724	241
42071	Cygnus p	4½	26 28.53	2,248	45 17 17.3	15,725	1
42072	Cygnus	8	26 29.34	2,489	55 2 46.0	15,725	16
42073	Capricornus ..	8	26 31.26	3,251	102 20 54.7	15,727	115
42074	Capricornus ..	7	26 31.65	3,251	102 20 56.6	15,728	571
42075	Pegasus	8½	26 31.88	2,968	82 59 54.1	15,728	102
42076	Pegasus	7	26 33.81	2,860	75 47 56.6	15,729	104
42077	Pegasus	6	26 33.97	2,860	75 48 0.4	15,729	37
42078	Cygnus	5	26 37.64	2,430	52 21 22.0	15,733	14
42079	Piscis Aust. ..	8	26 38.15	3,480	116 20 7.5	15,733	181
42080	Pegasus	9	21 26 44.31	+2,914	79 20 31.8	-15,739	110

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			h m s	s	° ' "	"	
42081	Capricornus ..	9	21 26 45.42	+3,325	107 8 28.8	-15,740	178
42082	Pegasus	7½	26 48.03	2,716	66 54 18.6	15,743	29
42083	Cygnus	7½	26 49.41	2,336	48 28 50.0	15,744	2
42084	Pegasus	8½	26 49.51	2,845	74 49 39.2	15,744	180
42085	Cygnus	7½	26 49.54	2,336	48 28 49.8	15,744	17
42086	Capricornus ..	8	26 50.10	3,341	108 5 50.0	15,744	177
42087	Piscis Aust. ..	7	26 50.26	3,525	118 46 57.1	15,744	569
42088	Pegasus	8	26 54.74	2,998	85 4 14.0	15,748	186
42089	Cygnus	8½	26 56.17	2,512	56 3 6.2	15,750	20
42090	Cygnus	8	26 57.86	2,488	54 54 25.7	15,751	16
42091	Vulpecula	9	27 0.51	2,675	64 31 1.8	15,754	26
42092	Pegasus	9	27 1.06	2,805	72 15 36.5	15,754	117
42093	Pegasus	9	27 1.29	2,909	79 1 7.2	15,754	110
42094	Pegasus	9	27 1.48	2,909	79 1 9.1	15,754	38
42095	Pegasus	7½	27 3.22	2,851	75 11 37.4	15,756	36
42096	Pegasus	8	27 3.68	2,998	85 4 2.8	15,757	107
42097	Pegasus	8½	27 3.91	2,851	75 10 38.6	15,757	180
42098	Aquarius .. ξ	6	27 5.63	3,197	98 44 33.0	15,758	197
42099	Aquarius .. ξ	5½	27 5.74	3,197	98 44 36.1	15,758	112
42100	Pegasus	7½	27 6.83	2,717	66 54 29.4	15,760	29
42101	Pegasus	8½	27 7.37	2,863	75 58 23.6	15,760	104
42102	Aquarius	8	27 14.19	3,209	99 35 12.2	15,766	112
42103	Pegasus	8	27 14.74	2,998	85 2 19.9	15,766	186
42104	Capricornus ..	6½	27 14.86	3,304	105 48 9.3	15,766	178
42105	Pegasus	8	27 15.18	2,998	85 2 9.6	15,767	107
42106	Aquarius	8	27 19.85	3,159	96 7 22.8	15,771	100
42107	Capricornus ..	8	27 21.28	3,282	104 25 22.6	15,772	176
42108	Capricornus ..	9	27 22.04	3,242	101 47 29.5	15,773	571
42109	Pegasus	7	27 23.12	2,912	79 10 13.5	15,774	116
42110	Pegasus	•	27 23.61	2,912	79 10 12.3	15,774	110
42111	Pegasus	7½	27 23.71	2,912	79 10 11.3	15,774	106
42112	Pegasus	7½	27 23.82	2,912	79 10 15.2	15,775	38
42113	Piscis Aust. ..	6½	27 26.00	3,512	118 11 44.4	15,777	569
42114	Cygnus	6½	27 26.11	2,304	47 11 6.5	15,777	2
42115	Cygnus	7	27 27.05	2,304	47 11 6.9	15,778	17
42116	Capricornus ..	8	27 28.97	3,461	115 20 14.2	15,779	185
42117	Capricornus ..	8	27 29.24	3,461	115 20 23.0	15,779	181
42118	Cygnus	6	27 32.31	2,609	60 50 9.8	15,782	22
42119	Cygnus	7	27 32.86	2,057	39 11 15.8	15,783	301
42120	Cygnus	7	21 27 33.85	+2,057	39 11 23.4	-15,784	369

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42041	Cygnus	8	21 25 44.51	+2,317	47 54 42.5	-15,685	17
42042	Cygnus	7	25 48.94	2,237	45 1 43.5	15,689	1
42043	Capricornus ..	9	25 49.77	3,283	104 20 37.5	15,690	176
42044	Pegasus	8½	25 50.48	2,841	74 41 6.3	15,690	180
42045	Capricornus s	4	25 51.86	3,379	110 21 14.9	15,691	179
42046	Capricornus s	4	25 52.06	3,379	110 21 13.1	15,691	186
42047	Cygnus	9	25 53.33	2,180	43 6 31.5	15,693	241
42048	Aquarius	8½	25 54.79	3,215	99 55 51.9	15,694	112
42049	Pegasus . . . . .	.	25 55.57	3,003	85 23 48.7	15,695	107
42050	Cygnus	8	25 55.69	2,163	42 34 39.4	15,695	388
42051	Cygnus	8	25 56.82	2,489	55 7 31.4	15,696	16
42052	Pegasus	6½	25 59.17	2,758	69 18 51.1	15,698	32
42053	Pegasus	8	26 0.23	2,994	84 48 51.6	15,699	186
42054	Aquarius	7	26 2.95	3,156	95 56 15.6	15,702	100
42055	Aquarius	9½	26 5.09	3,142	94 57 20.4	15,703	113
42056	Capricornus ..	9	26 7.41	3,290	104 51 49.0	15,706	176
42057	Pegasus	8½	26 9.01	2,798	71 55 2.4	15,707	117
42058	Capricornus ..	8	26 9.22	3,232	101 3 42.5	15,707	115
42059	Capricornus ..	9	26 11.45	3,251	102 17 59.3	15,709	571
42060	Aquarius	8	26 15.34	3,170	96 53 25.6	15,713	100
42061	Pegasus	8	26 15.72	2,993	84 45 6.4	15,713	186
42062	Vulpecula	9	26 18.98	2,675	64 37 8.2	15,716	26
42063	Pegasus	6	26 24.38	2,710	66 25 53.2	15,721	29
42064	Capricornus ..	8	26 25.96	3,374	110 7 15.1	15,722	179
42065	Cygnus	7½	26 26.45	2,573	59 6 6.1	15,723	22
42066	Pegasus	9	26 26.71	2,845	74 53 43.4	15,723	180
42067	Aquarius . . . .	.	26 27.36	3,152	95 40 25.6	15,724	100
42068	Cygnus	6	26 27.73	2,641	62 41 14.2	15,724	24
42069	Cygnus	6	26 27.79	2,641	62 41 10.5	15,724	243
42070	Cygnus p	4	26 27.95	2,248	45 17 14.6	15,724	241
42071	Cygnus p	4½	26 28.53	2,248.	45 17 17.3	15,725	1
42072	Cygnus	8	26 29.34	2,489	55 5 46.0	15,725	16
42073	Capricornus ..	8	26 31.26	3,251	102 20 54.7	15,727	115
42074	Capricornus ..	7	26 31.65	3,251	102 20 56.6	15,728	571
42075	Pegasus	8½	26 31.88	2,968	82 59 54.1	15,728	102
42076	Pegasus	7	26 33.81	2,860	75 47 56.6	15,729	104
42077	Pegasus	6	26 33.97	2,860	75 48 0.4	15,729	37
42078	Cygnus	5	26 37.64	2,430	52 21 22.0	15,733	14
42079	Piscis Aust. ..	8	26 38.15	3,480	116 20 7.5	15,733	181
42080	Pegasus	9	21 26 44.31	+2,914	79 20 31.8	-15,739	110

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42081	Capricornus ..	9	21 26 45.42	+3,325	107 8 28.8	-15,740	178
42082	Pegasus	7½	26 48,03	2,716	66 54 18,6	15,743	29
42083	Cygnus	7½	26 49,41	2,336	48 28 50,0	15,744	2
42084	Pegasus	8½	26 49,51	2,845	74 49 39,2	15,744	180
42085	Cygnus	7½	26 49,54	2,336	48 28 49,8	15,744	17
42086	Capricornus ..	8	26 50,10	3,341	108 5 50,0	15,744	177
42087	Piscis Aust. ..	7	26 50,26	3,525	118 46 57,1	15,744	569
42088	Pegasus	8	26 54,74	2,998	85 4 14,0	15,748	186
42089	Cygnus	8½	26 56,17	2,512	56 3 6,2	15,750	20
42090	Cygnus	8	26 57,86	2,488	54 54 25,7	15,751	16
42091	Vulpecula	9	27 0,51	2,675	64 31 1,8	15,754	26
42092	Pegasus	9	27 1,06	2,805	72 15 36,5	15,754	117
42093	Pegasus	9	27 1,29	2,909	79 1 7,2	15,754	110
42094	Pegasus	9	27 1,48	2,909	79 1 9,1	15,754	38
42095	Pegasus	7½	27 3,22	2,851	75 11 37,4	15,756	36
42096	Pegasus	8	27 3,68	2,998	85 4 2,8	15,757	107
42097	Pegasus	8½	27 3,91	2,851	75 10 38,6	15,757	180
42098	Aquarius .. ♉	6	27 5,63	3,197	98 44 33,0	15,758	197
42099	Aquarius .. ♉	5½	27 5,74	3,197	98 44 36,1	15,758	112
42100	Pegasus	7½	27 6,83	2,717	66 54 29,4	15,760	29
42101	Pegasus	8½	27 7,37	2,863	75 58 23,6	15,760	104
42102	Aquarius	8	27 14,19	3,209	99 35 12,2	15,766	112
42103	Pegasus	8	27 14,74	2,998	85 2 19,9	15,766	186
42104	Capricornus ..	6½	27 14,86	3,304	105 48 9,3	15,766	178
42105	Pegasus	8	27 15,18	2,998	85 2 9,6	15,767	107
42106	Aquarius	8	27 19,85	3,159	96 7 22,8	15,771	100
42107	Capricornus ..	8	27 21,28	3,282	104 25 22,6	15,772	176
42108	Capricornus ..	9	27 22,04	3,242	101 47 29,5	15,773	571
42109	Pegasus	7	27 23,12	2,912	79 10 13,5	15,774	116
42110	Pegasus	•	27 23,61	2,912	79 10 12,3	15,774	110
42111	Pegasus	7½	27 23,71	2,912	79 10 11,3	15,774	106
42112	Pegasus	7½	27 23,82	2,912	79 10 15,2	15,775	38
42113	Piscis Aust. ..	6½	27 26,00	3,512	118 11 44,4	15,777	569
42114	Cygnus	6½	27 26,11	2,304	47 11 6,5	15,777	2
42115	Cygnus	7	27 27,05	2,304	47 11 6,9	15,778	17
42116	Capricornus ..	8	27 28,97	3,461	115 20 14,2	15,779	185
42117	Capricornus ..	8	27 29,24	3,461	115 20 23,0	15,779	181
42118	Cygnus	6	27 32,31	2,609	60 50 9,8	15,782	22
42119	Cygnus	7	27 32,86	2,057	39 11 15,8	15,783	301
42120	Cygnus	7	21 27 33,85	+2,057	39 11 23,4	-15,784	369

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42121	Capricornus ..	8	21 27 37.04	+3,378	110 30 58.8	-15,786	179
42122	Cygnus	8	27 37.77	2,619	61 20 54.8	15,787	243
42123	Cygnus	9	27 40.17	2,135	41 26 38.2	15,789	388
42124	Pegasus	9	27 45.03	2,987	84 15 49.9	15,794	186
42125	Pegasus	7½	27 45.53	2,788	71 6 16.1	15,794	32
42126	Pegasus	6	27 45.62	2,999	85 7 35.9	15,794	186
42127	Pegasus	8	27 50.16	2,920	79 42 9.2	15,798	116
42128	Aquarius	8½	27 52.40	3,115	93 10 47.6	15,800	184
42129	Cygnus	9	27 56.37	2,395	50 40 50.5	15,804	5
42130	Cygnus	8	27 57.33	2,571	58 47 14.5	15,805	243
42131	Cygnus	8	27 59.82	2,617	61 13 4.7	15,807	243
42132	Cygnus	8½	28 0.55	2,038	38 35 9.0	15,808	301
42133	Cygnus	8	28 0.65	2,564	58 27 42.1	15,808	243
42134	Cygnus	8	28 0.68	2,548	57 39 21.2	15,808	243
42135	Vulpecula	8½	28 6.68	2,660	63 31 45.2	15,813	26
42136	Pegasus	8	28 8.92	2,860	75 40 26.5	15,815	37
42137	Pegasus	8	28 9.48	2,860	75 40 19.8	15,816	104
42138	Aquarius	8½	28 10.78	3,111	92 54 27.0	15,817	184
42139	Pegasus	9	28 11.93	2,779	70 31 26.3	15,818	32
42140	Pegasus	9	28 12.95	3,134	94 28 37.0	15,819	182
42141	Pegasus	9	28 13.07	2,862	75 49 56.7	15,819	37
42142	Pegasus	8½	28 13.46	2,862	75 50 0.1	15,819	104
42143	Cygnus	8	28 13.64	2,560	58 11 5.8	15,819	243
42144	Aquarius	8	28 14.06	3,142	95 2 26.0	15,820	113
42145	Aquarius	8½	28 15.21	3,204	99 16 49.7	15,821	112
42146	Cygnus	8½	28 16.12	2,354	48 57 24.8	15,822	2
42147	Cygnus	8	28 16.61	2,354	48 57 28.6	15,822	17
42148	Capricornus ..	8	28 19.69	3,284	104 36 58.2	15,824	176
42149	Capricornus ..	8½	28 19.91	3,289	104 57 5.8	15,825	176
42150	Cygnus	8	28 23.29	2,540	57 10 26.8	15,828	20
42151	Pegasus	6½	28 23.91	2,796	71 34 26.3	15,829	117
42152	Pegasus	9	28 24.03	3,472	116 6 56.0	15,829	181
42153	Cygnus	7½	28 27.13	2,263	45 30 57.6	15,832	1
42154	Cygnus	8½	28 29.19	2,416	51 24 38.2	15,833	14
42155	Pegasus	7	28 30.19	2,987	84 16 29.8	15,834	186
42156*	Pegasus	6½	28 31.02	3,000	85 7 21.4	15,835	107
42157	Cygnus	8	28 32.75	2,622	61 25 10.7	15,837	243
42158	Pegasus	8	28 36.59	2,935	80 42 24.5	15,840	110
42159	Aquarius	9	28 38.16	3,105	92 28 10.7	15,841	184
42160	Capricornus ..	6½	21 28 41.76	+3,236	101 28 5.4	-15,845	115

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42161	Capricornus ..	6	21 28 42.87	+3,236	101 28 8.2	-15,846	571
42162	Capricornus ..	9	28 44.26	3,232	101 13 16.3	15,847	115
42163	Capricornus ..	8½	28 45.25	3,232	101 13 17.3	15,848	571
42164	Cygnus	9	28 51.29	2,023	38 3 31.3	15,853	301
42165	Pegasus	8	28 52.52	2,884	77 12 31.6	15,854	106
42166	Pegasus	8½	28 53.01	2,884	77 12 36.4	15,855	38
42167	Aquarius	9	28 54.54	3,201	99 5 25.9	15,856	112
42168	Cygnus	8	28 56.33	2,523	56 17 16.6	15,858	20
42169	Cygnus	5	28 56.48	2,394	50 28 43.8	15,858	5
42170	Capricornus. γ	4	28 59.21	3,329	107 33 27.1	15,860	179
42171	Capricornus. γ	4	28 59.34	3,329	107 33 27.9	15,860	177
42172	Capricornus. γ	4	28 59.41	3,329	107 33 28.7	15,860	186
42173	Capricornus. γ	4	28 59.74	3,329	107 33 23.6	15,861	178
42174	Cygnus	9½	29 5.31	+2,108	40 23 25.6	15,866	369
42175	Draco.....	8	29 7.84	-0,100	14 28 27.9	15,868	351
42176	Aquarius	8½	29 8.04	+3,118	93 24 58.1	15,868	113
42177	Cygnus	9½	29 10.51	2,102	40 13 13.4	15,870	369
42178	Aquarius	8½	29 11.84	3,201	99 7 10.9	15,872	112
42179	Aquarius	7	29 12.51	3,083	90 56 50.4	15,872	190
42180	Pegasus	8	29 12.53	2,940	81 0 15.8	15,872	110
42181	Cygnus	8	29 16.20	2,617	61 2 9.3	15,875	22
42182	Cygnus	8	29 16.93	2,026	38 4 26.2	15,876	301
42183	Draco.....	9	29 18.46	0,463	17 24 24.6	15,877	364
42184	Aquarius	9	29 18.75	3,107	92 35 25.8	15,877	184
42185	Pegasus	9	29 19.01	2,803	71 55 8.3	15,878	117
42186	Cygnus	8	29 22.19	2,553	57 41 46.0	15,881	243
42187	Cygnus	8½	29 23.57	2,653	62 58 50.3	15,882	243
42188	Capricornus ..	8½	29 23.68	3,254	102 41 49.3	15,882	115
42189	Aquarius..... d	5	29 24.12	3,050	88 38 50.9	15,883	105
42190	Capricornus ..	8½	29 24.31	3,239	101 41 52.3	15,883	571
42191	Pegasus	8½	29 31.19	3,007	85 38 1.0	15,889	107
42192	Pegasus	8	29 31.43	2,941	81 3 55.9	15,889	116
42193	Cygnus	8	29 32.18	2,555	57 46 11.0	15,890	243
42194	Aquarius	7	29 35.20	3,052	88 45 23.1	15,892	105
42195	Pegasus	8	29 36.37	2,936	80 42 25.3	15,893	116
42196	Cygnus	8½	29 38.34	2,658	63 12 16.4	15,895	243
42197	Aquarius	9	29 38.77	3,140	94 56 17.1	15,895	113
42198	Cygnus	6	29 41.29	2,423	51 34 37.9	15,898	14
42199	Pegasus	5½	29 42.08	2,783	70 38 20.9	15,898	32
42200	Pegasus	6	21 29 44.68	+2,696	65 23 48.7	-15,901	26

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42201	Pegasus	6	21 29 44.84	+2,696	65 23 48.5	-15,901	29
42202	Pegasus	8½	29 46.50	2,778	70 17 45.4	15,902	32
42203	Aquarius	9	29 47.80	3,180	97 42 40.1	15,903	197
42204	Pegasus	9	29 48.69	3,008	85 39 35.0	15,904	107
42205	Cygnus	7	29 48.85	2,288	46 11 47.6	15,905	1
42206	Aquarius	8	29 50.84	3,182	97 52 23.6	15,906	197
42207	Pegasus	9	29 52.00	2,985	84 4 43.9	15,907	186
42208	Draco	9	29 52.51	0,441	17 13 20.0	15,908	364
42209	Cygnus	8	30 2.73	2,382	49 48 37.7	15,917	5
42210	Aquarius	8	30 3.35	3,112	92 59 36.7	15,917	184
42211	Aquarius	9	30 3.44	3,111	92 54 33.8	15,917	183
42212	Aquarius	8	30 8.64	3,118	93 24 53.6	15,922	182
42213	Pegasus	7½	30 11.09	2,951	81 42 48.3	15,924	102
42214	Pegasus	8	30 12.43	+2,941	81 0 15.6	15,925	116
42215	Cepheus	6½	30 14.83	-1,382	10 20 59.2	15,928	351
42216	Pegasus	9	30 15.35	+2,820	72 55 44.1	15,928	117
42217	Pegasus	9	30 15.65	+2,940	80 54 37.3	15,928	110
42218	Cepheus	7	30 15.87	-1,381	10 21 2.9	15,928	365
42219	Capricornus ..	8	30 16.35	+3,214	100 2 34.0	15,929	112
42220	Piscis Aust. ..	6	30 17.07	3,466	116 13.9	15,930	181
42221	Pegasus	7	30 18.42	2,715	66 24 9.2	15,931	29
42222	Cygnus	9	30 18.75	2,386	49 56 0.7	15,931	5
42223	Capricornus ..	9	30 21.38	3,238	101 40 42.7	15,933	115
42224	Capricornus ..	8½	30 21.99	3,238	101 40 34.2	15,934	571
42225	Cygnus	8	30 22.02	2,012	37 30 59.3	15,934	301
42226	Cygnus	8½	30 23.94	2,421	51 23 7.2	15,936	14
42227	Piscis Aust. ..	7½	30 26.60	3,512	118 35 4.7	15,938	569
42228	Cygnus	9	30 28.51	2,011	37 29 45.2	15,940	301
42229	Pegasus	9	30 29.33	2,916	79 15 36.1	15,941	38
42230	Capricornus ..	8	30 30.91	3,298	105 44 29.2	15,942	178
42231	Pegasus	9	30 32.06	2,801	71 40 11.8	15,943	117
42232	Piscis Aust. ..	8	30 32.09	3,479	116 45 34.5	15,943	181
42233	Capricornus ..	-	30 33.88	3,376	110 42 26.5	15,944	179
42234	Piscis Aust. ..	8½	30 34.38	3,508	118 22 12.8	15,945	569
42235	Capricornus ..	6	30 36.13	+3,434	114 9 29.4	15,946	185
42236	Draco	9½	30 36.91	-0,050	14 34 30.6	15,947	351
42237	Cygnus	8½	30 36.95	+2,033	38 3 28.9	15,947	301
42238	Capricornus ..	6	30 39.22	3,256	102 55 40.6	15,949	180
42239	Capricornus ..	6	30 39.68	3,286	104 55 49.1	15,950	176
42240	Cygnus	8	21 30 39.93	+2,329	47 36 22.2	-15,950	2

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42241	Cygnus	7½	21 30 40.44	+2,329	47 36 25.0	-15,950	17
42242	Cygnus	8	30 45.26	2,616	60 44 28.3	15,954	22
42243	Pegasus	7½	30 46.30	2,931	80 17 10.2	15,955	116
42244	Pegasus	7½	30 46.82	2,916	79 17 10.4	15,956	110
42245	Capricornus ..	8	30 50.60	3,335	108 8 33.2	15,959	177
42246	Capricornus ..	9	30 53.88	3,217	100 18 41.8	15,962	112
42247	Aquarius	8	30 54.98	3,064	89 35 41.3	15,963	118
42248	Cygnus	9	30 56.39	2,249	44 36 59.7	15,964	241
42249	Pegasus	7½	30 59.65	3,011	85 52 44.0	15,967	107
42250	Cygnus	8	31 2.24	2,620	60 57 18.5	15,970	22
42251	Vulpecula	8½	31 11.18	2,672	63 49 19.2	15,977	26
42252	Cygnus	8	31 11.78	2,177	42 11 0.9	15,978	363
42253	Aquarius	8½	31 17.30	3,110	92 50 1.9	15,983	184
42254	Aquarius	9	31 17.38	3,110	92 50 1.3	15,983	183
42255	Capricornus x	5	31 28.05	3,360	109 46 11.1	15,992	186
42256	Capricornus x	5	31 28.30	3,360	109 46 9.2	15,992	179
42257	Aquarius	8	31 29.25	3,107	92 37 0.3	15,993	184
42258	Pegasus	9	31 29.83	2,917	79 15 26.2	15,994	110
42259	Pegasus	8½	31 29.90	2,721	66 38 1.4	15,994	29
42260	Pegasus	8½	31 31.55	2,802	71 38 38.4	15,995	117
42261	Capricornus ..	8½	31 36.40	3,430	114 5 23.5	16,000	185
42262	Cygnus	9	31 39.50	2,333	47 35 45.7	16,002	2
42263	Cygnus	9	31 39.66	2,334	47 37 12.6	16,002	17
42264	Cygnus	8½	31 41.53	2,256	44 43 24.6	16,004	241
42265	Aquarius	8	31 41.86	3,113	93 3 6.3	16,004	184
42266	Aquarius	9	31 41.97	3,113	93 3 4.7	16,004	183
42267	Pegasus	8	31 43.85	2,900	78 8 38.3	16,006	106
42268	Pegasus	8½	31 45.20	2,992	84 29 1.3	16,007	186
42269	Cygnus	8	31 46.11	2,426	51 23 7.4	16,008	5
42270	Cygnus	7	31 46.29	2,426	51 23 9.7	16,008	14
42271	Capricornus ..	8½	31 47.15	3,255	102 56 44.3	16,009	571
42272	Pegasus	8	31 50.64	2,756	68 42 22.7	16,012	30
42273	Cygnus	7	31 50.73	2,644	62 8 53.4	16,012	24
42274	Cygnus	7½	31 50.97	2,644	62 8 48.8	16,012	243
42275	Cygnus	9	31 51.52	2,495	54 28 10.0	16,013	16
42276	Cygnus .....	.	31 51.69	2,013	37 19 11.9	16,013	374
42277	Cygnus	7½	31 51.81	2,013	37 19 9.7	16,013	301
42278	Capricornus ..	8½	31 53.20	3,254	102 53 44.1	16,014	571
42279	Capricornus ..	9	31 53.98	3,254	102 53 34.4	16,015	115
42280	Capricornus ..	8	21 31 55.31	+3,446	115 2 44.5	-16,016	185

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42281	Cygnus	9	21 31 55.99	+2,305	46 27 31.7	-16,017	1
42282	Piscis Aust. ..	8½	31 56.87	3,491	117 37 13.0	16,017	569
42283	Aquarius	6½	31 58.47	3,064	89 37 7.9	16,019	118
42284	Capricornus ..	8½	31 59.44	3,219	100 32 12.4	16,020	112
42285	Capricornus ..	6½	32 1.26	3,371	110 31 30.8	16,022	179
42286	Vulpecula	7½	32 3.78	2,680	64 8 48.3	16,024	26
42287	Pegasus	8	32 6.55	3,014	86 4 1.1	16,026	107
42288	Capricornus ..	6	32 8.86	3,290	105 18 17.7	16,028	176
42289	Capricornus ..	6	32 8.92	3,290	105 18 17.4	16,028	178
42290	Capricornus ..	6	32 9.30	3,290	105 18 20.5	16,028	180
42291	Cygnus	8½	32 9.42	2,228	43 42 4.4	16,029	241
42292	Pegasus	7	32 9.56	2,760	51 57 28.0	16,029	30
42293	Cygnus	8	32 11.23	2,634	61 33 38.0	16,030	243
42294	Cygnus	7½	32 11.50	2,306	46 28 10.6	16,030	1
42295	Pegasus	6	32 15.14	3,003	85 13 35.0	16,034	186
42296	Cygnus	7½	32 15.41	2,620	60 46 16.7	16,034	22
42297*	Pegasus	6	32 15.58	3,003	85 13 25.3	16,034	107
42298	Aquarius	8½	32 16.35	3,115	93 11 43.5	16,035	182
42299	Aquarius	8	32 16.56	3,126	94 1 48.4	16,035	184
42300	Aquarius	9	32 17.13	3,118	93 11 42.9	16,035	183
42301	Pegasus	9	32 18.45	2,964	82 29 22.2	16,037	102
42302	Pegasus	8	32 18.74	2,999	84 59 38.3	16,037	186
42303	Cygnus	8	32 18.92	2,008	37 7 21.5	16,037	301
42304	Cygnus	6	32 20.97	2,337	47 37 49.3	16,039	17
42305	Cygnus	5	32 21.16	2,337	47 37 45.4	16,039	2
42306	Cygnus	8	32 21.19	2,355	48 20 17.1	16,039	17
42307	Capricornus ..	8½	32 21.34	3,215	100 13 40.0	16,039	112
42308	Cygnus	9	32 23.93	2,062	38 32 19.2	16,041	369
42309	Pegasus	7	32 23.97	2,766	69 17 52.2	16,041	30
42310	Pegasus	6½	32 24.25	2,766	69 18 1.5	16,042	32
42311	Piscis Aust. ..	8	32 25.99	3,486	117 25 18.7	16,043	569
42312	Aquarius	8	32 30.87	3,116	93 19 41.8	16,047	184
42313	Aquarius	9	32 31.72	3,116	93 19 36.2	16,048	183
42314	Aquarius	8½	32 31.91	3,116	93 19 37.8	16,048	182
42315	Cygnus	7	32 35.31	2,533	56 13 39.0	16,051	20
42316	Pegasus	8	32 38.00	2,809	71 57 44.4	16,054	117
42317	Cygnus	8	32 39.33	2,175	41 51 11.6	16,055	363
42318	Aquarius	8½	32 42.73	3,111	92 56 16.6	16,058	182
42319	Pegasus	6½	32 45.89	2,929	80 4 51.3	16,061	116
42320	Pegasus	6	21 32 46.96	+2,929	80 4 49.2	-16,061	110

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42321	Aquarius	9	21 32 49,08	+3,187	98 18 55,2	-16,063	197
42322	Capricornus ..	8	32 50,77	3,368	110 24 57,0	16,065	179
42323	Pegasus	9	32 59,61	2,826	73 4 9,8	16,073	36
42324	Cygnus	•	33 0,08	2,493	54 14 9,3	16,073	16
42325	Cygnus	8½	33 0,76	2,027	37 30 17,7	16,074	301
42326	Pegasus	8½	33 3,29	2,874	76 14 38,5	16,076	37
42327	Capricornus ..	6	33 4,74	3,294	105 39 24,1	16,077	176
42328	Capricornus ..	6	33 4,78	3,294	105 39 26,1	16,077	178
42329	Capricornus ..	6	33 4,85	3,294	105 39 26,0	16,077	180
42330	Capricornus ..	8	33 4,85	3,457	115 48 56,6	16,077	181
42331	Cygnus	7½	33 10,55	2,432	51 25 44,2	16,082	14
42332	Pegasus	9	33 12,06	2,809	71 54 43,2	16,083	117
42333	Pegasus	9	33 16,11	3,011	85 47 39,2	16,087	107
42334	Piscis Aust. ..	8	33 18,07	3,480	117 12 24,7	16,089	569
42335	Pegasus	9½	33 24,45	2,926	79 46 44,5	16,094	110
42336	Aquarius	8	33 24,77	3,075	90 22 21,0	16,094	118
42337	Piscis Aust. ..	7½	33 27,47	3,483	117 23 59,1	16,097	569
42338	Cygnus	6	33 32,37	2,403	50 5 51,4	16,101	5
42339	Capricornus ..	8½	33 32,51	3,249	102 39 13,4	16,101	571
42340	Capricornus ..	9	33 33,13	3,249	102 38 58,9	16,103	115
42341	Capricornus ..	8½	33 35,25	3,249	102 40 53,4	16,104	571
42342	Cygnus	6	33 35,50	2,520	55 23 46,5	16,104	20
42343	Capricornus ..	9	33 35,64	3,249	102 40 49,0	16,104	115
42344	Pegasus	8½	33 35,94	2,906	78 23 4,3	16,104	38
42345	Pegasus	7½	33 35,98	2,869	75 51 23,8	16,104	37
42346	Cygnus	8	33 37,66	2,175	41 42 26,9	16,106	363
42347	Aquarius	9	33 39,63	3,183	98 3 55,2	16,107	197
42348	Capricornus ..	9	33 40,89	3,320	107 25 57,9	16,108	177
42349	Cygnus	8	33 42,39	2,226	43 21 32,6	16,110	241
42350	Cygnus	8	33 44,12	2,491	54 1 32,8	16,111	16
42351	Pegasus	8	33 44,96	2,982	83 45 12,1	16,112	186
42352	Pegasus	7	33 45,05	2,977	83 22 35,4	16,112	102
42353	Capricornus ..	8	33 45,51	3,415	113 28 16,1	16,112	185
42354	Pegasus	•	33 45,69	2,741	67 34 57,8	16,112	31
42355	Aquarius	7	33 55,26	3,148	95 38 22,9	16,121	113
42356	Aquarius	6	33 56,05	3,148	95 38 23,2	16,122	100
42357	Pegasus	7½	34 0,81	2,927	79 48 22,3	16,126	116
42358	Pegasus	8	34 1,11	2,927	79 48 19,3	16,126	110
42359	Cygnus	8½	34 4,13	2,492	54 0 13,5	16,129	16
42360	Cygnus	7	21 34 5,23	+2,365	48 28 4,6	-16,129	17

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42361	Cygnus	7	21	34	5.44	+2,435	51° 22' 52.7	-16,130	14
42362	Pegasus	9		34	5.65	2,983	83 45 35.0	16,130	186
42363	Pegasus	7		34	6.87	2,705	65 22 51.9	16,131	29
42364	Pegasus	8		34	9.56	2,800	71 16 10.2	16,133	117
42365	Piscis Aust. ..	8½		34	9.77	3,481	117 23 45.1	16,134	569
42366	Cygnus	5½		34	11.12	2,399	49 49 50.8	16,134	5
42367	Pegasus	8		34	11.77	2,977	83 22 41.1	16,135	186
42368	Aquarius	7½		34	14.37	3,209	99 56 49.3	16,137	112
42369	Aquarius .. c ¹	6		34	19.47	3,210	99 59 36.5	16,142	112
42370	Pegasus s	3		34	20.69	2,944	81 2 3.3	16,143	104
42371	Aquarius	9		34	21.82	3,128	94 14 16.8	16,144	182
42372	Aquarius	9		34	21.83	3,128	94 14 9.8	16,144	113
42373	Aquarius	9½		34	22.10	3,181	97 58 24.7	16,144	197
42374	Capricornus ..	9		34	25.63	3,276	104 35 13.6	16,147	181
42375	Pegasus .....	.		34	28.03	2,715	65 55 57.3	16,149	29
42376	Cygnus	7		34	30.35	2,280	45 8 26.4	16,151	241
42377	Cygnus	9		34	30.35	2,401	49 51 35.6	16,152	5
42378	Cygnus	8		34	30.78	2,176	41 36 23.4	16,152	363
42379	Cygnus .....	.		34	30.81	2,280	45 8 28.2	16,152	1
42380	Capricornus ..	9		34	35.12	3,275	104 33 7.4	16,156	181
42381	Aquarius	8½		34	36.50	3,043	88 4 44.9	16,157	105
42382	Pegasus	8½		34	37.55	2,805	71 33 21.4	16,157	117
42383	Cygnus	8		34	38.91	2,368	48 28 7.1	16,159	2
42384	Aquarius	6		34	40.28	3,041	87 55 7.6	16,160	105
42385	Capricornus ..	8		34	46.82	3,451	115 43 50.1	16,166	181
42386	Pegasus	6		34	47.01	2,751	68 5 30.0	16,166	31
42387	Pegasus	8		34	51.53	2,841	73 51 47.0	16,170	36
42388	Pegasus	9		34	52.36	2,807	71 36 46.4	16,170	117
42389	Pegasus	8		34	52.65	2,982	83 42 21.7	16,170	186
42390*	Pegasus	5½		34	52.84	2,874	76 7 57.7	16,171	37
42391	Pegasus	4		34	57.49	2,705	65 16 5.4	16,175	26
42392	Cygnus .....	.		34	57.74	2,668	63 3 48.2	16,175	24
42393	Pegasus	5		35	2.05	2,836	72 33 38.6	16,179	36
42394	Pegasus	7½		35	4.06	2,713	65 43 50.9	16,181	29
42395	Cygnus	6		35	4.12	2,401	49 45 19.4	16,181	5
42396	Cygnus	7½		35	6.24	2,080	38 37 0.6	16,182	301
42397	Aquarius	8		35	6.34	3,144	95 20 35.6	16,182	113
42398	Aquarius	9		35	6.35	3,085	91 7 15.0	16,182	118
42399	Cygnus		35	6.70	2,080	38 37 3.3	16,183	374
42400	Aquarius	8	21	35	7.21	+3,144	95 20 38.7	-16,183	182

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42401	Aquarius	8	21 35 7.74	+3,144	95 20 43.8	-16,184	100
42402	Cygnus	9	35 7.77	2,080	38 37 0.8	16,184	369
42403	Cygnus	5½	35 9.53	2,468	52 42 34.9	16,185	14
42404	Cygnus μ	3½	35 12.33	2,652	62 9 14.0	16,188	243
42405	Cygnus μ	4½	35 12.34	2,652	62 9 18.0	16,188	24
42406	Cygnus	7	35 21.54	2,466	52 36 13.6	16,195	14
42407	Capricornus ..	8	35 22.18	3,339	108 49 49.3	16,196	179
42408	Cygnus	7	35 22.23	2,172	41 18 39.6	16,196	363
42409	Cygnus	7	35 27.06	2,652	62 7 27.0	16,200	243
42410	Cygnus	8½	35 27.29	2,569	57 34 33.3	16,200	243
42411	Cygnus	7	35 27.35	2,653	62 7 37.9	16,201	24
42412	Piscis Aust. ..	9	35 31.99	3,454	115 59 5.5	16,204	181
42413	Cygnus	9	35 32.12	2,323	46 34 8.0	16,205	1
42414	Capricornus ε²	6½	35 35.49	3,211	100 11 23.0	16,207	112
42415	Pegasus α	4½	35 35.62	2,707	65 16 3.1	16,208	29
42416	Pegasus	7½	35 35.87	2,669	63 3 48.6	16,208	26
42417	Pegasus	8	35 39.78	2,626	60 35 48.1	16,211	22
42418	Capricornus λ	5½	35 45.25	3,241	102 16 43.7	16,216	115
42419	Capricornus λ	5½	35 45.40	3,241	102 16 53.0	16,216	571
42420	Capricornus ..	7	35 54.14	3,246	102 36 23.3	16,223	571
42421	Capricornus ..	7	35 54.41	3,246	102 36 23.1	16,224	115
42422	Aquarius	8	35 55.22	3,139	95 2 18.6	16,225	113
42423	Capricornus ..	3	35 56.04	3,310	107 1 11.9	16,225	185
42424	Aquarius	8	35 56.20	3,139	95 2 26.6	16,225	182
42425	Capricornus . δ	3	35 58.27	3,310	107 1 32.8	16,227	181
42426	Capricornus . δ	3	35 59.27	3,310	107 1 40.0	16,228	178
42427	Capricornus . δ	.	35 59.38	3,310	107 1 34.8	16,228	186
42428	Capricornus . δ	3	35 59.58	3,310	107 1 36.8	16,228	177
42429	Capricornus ..	8½	36 3.20	3,199	99 21 31.7	16,231	112
42430	Piscis Aust. ..	7½	36 6.27	3,499	118 40 2.9	16,234	569
42431	Aquarius	6½	36 10.44	3,113	93 7 43.8	16,238	183
42432	Pegasus	10	36 11.31	2,917	79 1 57.8	16,238	38
42433	Aquarius	8½	36 13.70	3,199	99 23 5.8	16,240	112
42434	Cygnus	5	36 17.39	2,626	60 30 13.7	16,244	22
42435	Cygnus	8	36 18.25	2,078	38 20 18.9	16,244	301
42436	Pegasus	8	36 22.74	2,686	63 54 48.3	16,248	26
42437	Pegasus	8	36 28.33	2,964	81 34 27.9	16,253	102
42438	Cygnus	9	36 28.88	2,260	44 4 45.7	16,253	241
42439	Pegasus	8½	36 30.55	2,887	76 52 21.0	16,255	37
42440	Pegasus	8	21 36 32.69	+2,993	84 22 49.9	-16,257	186

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42441	Capricornus ..	8	21 36 38,53	+3,341	109 7 52,2	-16,262	179
42442	Piscis Aust. ..	8	36 39,89	3,465	116 47 36,7	16,263	181
42443	Aquarius	8	36 40,93	3,070	90 3 42,4	16,263	118
42444	Cygnus	7½	36 42,58	2,583	58 7 55,8	16,265	243
42445	Aquarius	8	36 44,46	3,113	93 12 18,2	16,266	113
42446	Draco	8½	36 44,86	0,283	15 40 58,2	16,267	364
42447	Aquarius	8	36 45,61	3,113	93 12 12,9	16,267	183
42448	Capricornus ..	9	36 46,71	3,434	114 58 27,3	16,268	185
42449	Cygnus	7½	36 51,13	2,261	44 3 8,6	16,272	241
42450	Cygnus	8	36 51,96	2,353	47 29 10,0	16,273	3
42451	Pegasus	5½	36 52,34	2,753	67 57 59,0	16,273	31
42452	Cygnus	7½	36 52,40	2,353	47 29 8,2	16,273	17
42453	Cygnus	9	36 52,44	2,655	62 2 37,6	16,273	243
42454	Pegasus	6	36 52,49	2,711	65 19 50,6	16,273	29
42455	Pegasus	8	36 53,00	2,711	65 19 53,7	16,274	26
42456	Capricornus ..	9	36 53,88	3,309	106 59 37,4	16,275	178
42457	Aquarius	7	36 56,35	3,145	95 31 27,7	16,276	182
42458	Aquarius	6½	36 56,74	3,145	95 31 34,8	16,277	100
42459	Cygnus	8	36 59,24	2,578	57 48 1,3	16,279	243
42460	Pegasus	8	37 2,65	2,984	83 44 41,2	16,282	186
42461	Aquarius	4	37 5,46	3,046	88 13 52,5	16,284	105
42462	Aquarius	8	37 5,71	3,022	86 30 47,4	16,285	107
42463	Aquarius	5½	37 6,57	3,163	96 50 13,1	16,285	100
42464	Pegasus	7½	37 6,90	2,892	77 11 56,2	16,286	38
42465	Pegasus	7	37 7,16	2,892	77 11 50,0	16,286	37
42466	Pegasus	7	37 9,66	2,766	68 44 31,8	16,288	31
42467	Aquarius	9	37 13,97	3,218	100 46 54,6	16,292	112
42468	Pegasus	8	37 14,88	2,754	67 58 7,9	16,293	31
42469	Capricornus ..	8½	37 15,16	3,251	103 3 38,2	16,293	571
42470	Cygnus	6½	37 16,32	2,525	55 3 32,5	16,294	16
42471	Cygnus	6½	37 16,85	2,525	55 3 35,7	16,294	20
42472	Pegasus	5½	37 17,52	2,712	65 21 23,6	16,295	26
42473	Pegasus	6	37 17,63	2,712	65 21 23,4	16,295	29
42474	Cygnus	9	37 20,30	2,357	47 35 4,9	16,297	3
42475	Cygnus	8½	37 20,82	2,357	47 35 5,0	16,298	17
42476	Pegasus	6½	37 21,03	2,808	71 26 19,0	16,298	32
42477	Pegasus	8	37 21,57	2,808	71 26 23,4	16,298	117
42478	Aquarius	8	37 27,63	3,171	97 22 49,2	16,303	197
42479	Pegasus	6½	37 31,09	2,801	70 59 53,4	16,306	32
42480	Pegasus	8	21 37 33,54	+2,935	80 9 35,8	-16,308	110

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42481	Pegasus	7½	21 37 34.30	+2,842	73 43 22.8	-16,309	36
42482	Pegasus	9	37 38.47	2,985	83 48 3.4	16,312	186
42483	Pegasus	8	37 39.47	2,930	79 49 48.1	16,313	110
42484	Capricornus ..	9	37 45.62	3,224	101 13 0.9	16,319	571
42485	Pegasus	9½	37 52.71	3,011	85 43 10.5	16,325	107
42486	Pegasus	9	37 58.71	3,013	85 49 30.6	16,330	107
42487	Cygnus	8½	38 1.52	2,297	45 9 13.5	16,332	241
42488	Cygnus	8½	38 2.34	2,364	47 42 43.0	16,333	17
42489	Aquarius	8	38 2.47	3,167	97 10 10.4	16,333	197
42490	Cygnus	8½	38 3.37	2,636	60 48 58.4	16,334	23
42491	Aquarius	9	38 7.54	3,079	90 43 6.3	16,337	118
42492	Cygnus	9	38 7.74	2,587	58 8 3.4	16,337	243
42493	Cygnus	7	38 8.19	2,077	38 38 55.1	16,338	301
42494	Pegasus	9	38 8.71	3,008	85 27 34.8	16,338	107
42495	Cygnus .....	.	38 10.18	2,077	38 38 59.8	16,340	374
42496	Cygnus	8	38 10.21	2,583	57 55 16.1	16,340	243
42497	Cygnus	9	38 10.67	2,100	38 39 1.2	16,340	369
42498	Capricornus ..	8	38 13.91	3,341	109 18 30.0	16,343	179
42499	Capricornus ..	8	38 14.02	3,341	109 18 29.1	16,343	177
42500	Pegasus	8½	38 16.66	2,987	83 53 24.2	16,345	186
42501	Pegasus	8½	38 17.98	2,937	80 15 55.8	16,346	110
42502	Piscis Aust. ..	7	38 19.99	3,487	118 19 41.0	16,348	569
42503	Cygnus .....	.	38 20.57	2,369	47 51 35.6	16,348	3
42504	Cygnus	6½	38 21.15	2,369	47 51 33.6	16,349	17
42505	Aquarius	8½	38 22.01	3,044	88 6 13.8	16,349	105
42506	Cygnus	8½	38 22.18	2,074	38 31 37.8	16,350	301
42507	Cygnus	8	38 25.33	2,491	53 15 38.8	16,352	16
42508	Pegasus	8	38 27.92	2,930	79 44 40.8	16,354	110
42509	Pegasus	8½	38 28.56	2,661	62 12 17.4	16,355	243
42510	Pegasus	8	38 28.69	2,930	79 44 40.8	16,355	116
42511	Pegasus	8½	38 31.81	2,664	62 20 47.5	16,358	243
42512	Aquarius	6½	38 32.72	3,155	96 19 22.9	16,359	100
42513	Capricornus ..	8½	38 41.58	3,373	111 24 5.1	16,366	179
42514	Cygnus	9	38 43.29	2,500	53 36 36.2	16,367	16
42515	Aquarius	8	38 44.88	3,039	87 45 46.9	16,369	105
42516	Pegasus	8½	38 47.66	2,657	61 53 58.9	16,371	243
42517	Cygnus	9	38 50.82	2,302	45 10 23.2	16,374	241
42518	Capricornus ..	6½	38 51.38	3,257	103 38 45.1	16,374	181
42519	Aquarius	8½	38 55.66	3,195	99 14 8.4	16,378	112
42520	Pegasus	8	21 38 58.82	+2,645	61 11 36.5	-16,380	23

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			h	m	s	s	° ' "	"	
42521	Pegasus	9	21	39	1.12	+3,011	85 37 23.9	-16,382	107
42522	Pegasus	8½		39	2.44	2,664	62 16 24.3	16,384	243
42523	Piscis Aust. ..	8		39	2.51	3,484	118 15 26.4	16,384	569
42524	Pegasus	7½		39	3.01	2,733	66 27 20.2	16,384	29
42525	Pegasus	8½		39	3.89	2,661	62 6 27.1	16,385	243
42526	Cygnus	8½		39	6.75	2,365	47 36 1.0	16,387	3
42527	Cygnus	8		39	7.87	2,365	47 35 59.4	16,388	17
42528	Pegasus	9		39	9.08	2,999	84 44 57.0	16,389	186
42529	Capricornus ..	7		39	12.26	3,317	107 46 7.9	16,392	177
42530	Cygnus	9		39	15.46	2,205	41 41 56.8	16,395	363
42531	Capricornus ..	8		39	17.99	3,241	102 31 56.3	16,396	571
42532	Capricornus ..	9		39	18.07	3,241	102 31 44.7	16,397	115
42533	Pegasus	9		39	19.98	2,822	72 8 40.6	16,398	117
42534	Cygnus	6		39	24.15	2,203	41 36 40.9	16,402	369
42535	Cygnus.... π ^a	4½		39	25.03	2,203	41 36 44.6	16,402	363
42536	Pegasus	8½		39	25.58	3,000	84 48 16.1	16,403	186
42537	Pegasus	9		39	25.84	2,796	70 24 7.1	16,403	32
42538	Capricornus ..	8		39	25.94	3,237	102 15 59.2	16,403	571
42539	Capricornus ..	8½		39	25.99	3,237	102 15 52.6	16,403	115
42540	Cygnus	8		39	28.27	2,112	38 47 44.0	16,405	301
42541	Cygnus	8½		39	29.67	2,099	38 24 54.5	16,406	301
42542	Pegasus	7½		39	33.24	2,767	68 29 32.6	16,409	31
42543	Pegasus	8½		39	38.06	2,664	62 12 29.0	16,414	243
42544	Capricornus ..	7		39	39.79	3,372	111 28 2.7	16,415	179
42545	Cygnus	6½		39	43.24	2,592	58 7 32.9	16,418	243
42546	Cygnus	7		39	43.27	2,518	54 20 29.6	16,418	16
42547	Capricornus ..	8		39	46.14	3,366	111 6 53.6	16,420	179
42548	Capricornus ..	8		39	46.29	3,366	111 6 54.5	16,420	179
42549	Pegasus	8		39	47.41	2,866	75 9 43.6	16,421	36
42550	Pegasus	7½		39	47.50	2,866	75 10 19.6	16,421	37
42551	Pegasus	8		39	48.57	3,012	85 42 46.9	16,422	107
42552	Cygnus .....	.		39	49.73	2,351	46 54 38.3	16,423	1
42553	Aquarius	8		39	58.31	3,090	91 31 46.9	16,431	183
42554	Piscis Aust. ..	8		39	58.85	3,483	118 19 35.1	16,431	569
42555	Capricornus ..	7½		40	0.00	3,414	114 11 36.1	16,432	570
42556	Capricornus ..	7		40	0.01	3,414	114 11 32.8	16,432	185
42557	Cygnus	6		40	2.16	2,470	51 57 57.9	16,433	14
42558	Aquarius	9		40	6.51	3,193	99 7 14.6	16,437	112
42559	Pegasus	5½		40	6.53	2,798	70 27 48.8	16,437	32
42560	Cygnus	8	21	40	8.13	+2,393	48 34 3.4	-16,438	3

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42561	Pegasus	8½	21	40	9.72	+2,867	75	9	54.5	-16,440	37
42562	Capricornus ..	9	40	11.20	3,227	101	34	14.5	16,441	115	
42563	Cygnus	8	40	12.16	2,477	52	16	31.3	16,442	14	
42564	Cygnus .....	.	40	13.74	2,345	46	34	44.7	16,444	1	
42565	Pegasus	8	40	16.24	2,936	80	7	7.9	16,445	116	
42566	Pegasus	8	40	16.97	2,936	80	7	4.9	16,446	110	
42567	Aquarius	8½	40	18.57	3,072	90	10	24.6	16,447	118	
42568	Cygnus	8	40	21.18	2,468	51	50	25.7	16,449	14	
42569	Capricornus ..	7½	40	22.52	3,218	100	58	2.4	16,451	572	
42570	Aquarius	8	40	25.43	3,189	98	50	10.4	16,453	112	
42571	Aquarius	9	40	26.34	3,189	98	50	10.9	16,454	197	
42572	Pegasus	8	40	32.98	2,743	66	50	11.1	16,460	29	
42573	Draco	9½	40	34.02	0,343	15	39	41.0	16,460	364	
42574	Capricornus ..	7	40	34.18	3,341	109	32	51.4	16,461	179	
42575	Pegasus	8	40	36.41	2,869	75	19	1.7	16,462	37	
42576	Pegasus	6½	40	37.88	2,845	73	38	16.6	16,464	36	
42577	Cygnus .....	.	40	41.03	2,409	49	7	27.5	16,466	17	
42578	Pegasus	8½	40	42.23	2,935	79	59	30.3	16,467	116	
42579	Cygnus	8½	40	42.75	2,282	44	6	2.6	16,468	241	
42580	Pegasus	8½	40	42.96	2,935	79	59	26.5	16,468	110	
42581	Pegasus	7½	40	43.74	2,814	71	30	10.5	16,468	117	
42582	Pegasus	9	40	46.60	3,005	85	9	13.4	16,471	107	
42583	Aquarius	8½	40	46.60	3,050	88	32	5.0	16,471	105	
42584	Aquarius	9½	40	46.65	3,072	90	10	2.4	16,471	118	
42585	Cygnus	8	40	55.04	2,396	48	34	4.1	16,478	3	
42586	Cygnus	7½	40	57.03	2,586	57	36	48.2	16,479	243	
42587	Cygnus	8	40	57.17	2,486	52	34	40.2	16,479	14	
42588	Piscis Aust. ..	7½	40	57.34	3,479	118	14	39.6	16,480	569	
42589	Pegasus	5	41	0.41	2,643	60	45	2.1	16,482	23	
42590	Cygnus	9	41	0.96	2,423	49	42	31.5	16,483	5	
42591	Aquarius	8	41	5.22	3,112	93	10	10.8	16,486	113	
42592	Aquarius	8½	41	5.82	3,112	93	10	7.3	16,487	182	
42593	Aquarius	8	41	6.10	3,112	93	10	8.7	16,487	183	
42594	Pegasus	7	41	7.10	2,720	65	19	48.0	16,488	29	
42595	Cygnus	8	41	9.76	2,089	37	50	7.5	16,490	301	
42596	Cygnus	9	41	10.00	2,428	49	53	45.6	16,490	5	
42597	Cygnus	7	41	15.60	2,557	56	0	36.1	16,495	20	
42598	Pegasus	7½	41	15.62	2,777	68	59	5.6	16,495	31	
42599	Cygnus	8½	41	16.29	2,282	44	1	21.4	16,495	241	
42600	Aquarius	8	21	41	20.14	+3,072	90	9	35.2	-16,499	118

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			h m s	s	° ' "		
42601	Cygnus	7½	21 41 20,38	+2,614	59 4 47,6	-16,499	243
42602	Aquarius	9	41 21,11	3,071	90 4 38,0	16,500	118
42603	Cygnus	9	41 23,99	2,428	49 49 44,4	16,502	5
42604	Pegasus	8	41 29,73	2,936	79 59 35,3	16,507	116
42605	Pegasus	8½	41 30,48	2,936	80 1 31,4	16,507	110
42606	Cygnus .....	.	41 32,09	2,559	56 6 11,1	16,509	20
42607	Cygnus	6½	41 32,48	2,427	49 46 46,4	16,509	5
42608	Capricornus ..	8½	41 33,03	3,353	110 27 20,1	16,509	179
42609	Cygnus	9	41 35,61	2,501	53 10 24,4	16,511	16
42610	Cygnus	8½	41 41,03	2,204	41 14 56,9	16,516	363
42611	Pegasus	8	41 41,90	2,669	62 9 36,6	16,517	243
42612	Aquarius	7	41 49,41	3,207	100 15 53,1	16,523	572
42613	Pegasus	8	41 49,42	2,962	81 53 17,9	16,523	102
42614	Cygnus	7	41 49,71	2,601	58 16 8,6	16,523	243
42615	Aquarius	7½	41 49,85	3,208	100 20 48,7	16,523	112
42616	Aquarius	7	41 57,21	3,124	94 6 19,2	16,529	113
42617	Pegasus	8	41 57,51	2,921	78 53 42,6	16,530	38
42618	Aquarius	7	41 57,71	3,124	94 6 19,7	16,530	182
42619	Pegasus	6½	42 3,22	2,934	79 50 27,9	16,534	116
42620	Cepheus	9	42 3,42	2,084	37 31 16,0	16,534	301
42621	Pegasus	8	42 3,48	2,937	80 1 39,1	16,534	116
42622	Piscis Aust. ..	7½	42 3,55	3,500	119 35 26,5	16,534	569
42623	Pegasus	8	42 3,91	2,961	81 51 3,6	16,535	102
42624	Pegasus	7	42 3,99	2,934	79 50 26,9	16,535	110
42625	Cygnus	8	42 6,90	2,506	53 20 13,4	16,537	16
42626	Cygnus	9	42 9,65	2,602	58 15 41,6	16,539	243
42627	Pegasus	6½	42 10,83	2,811	71 6 15,7	16,541	117
42628	Pegasus	5½	42 11,07	2,811	71 6 16,8	16,541	32
42629	Cygnus	8	42 11,46	2,390	48 4 4,6	16,541	17
42630	Cygnus	9	42 12,65	2,602	58 16 20,6	16,542	243
42631	Pegasus	7½	42 16,11	2,818	71 37 27,2	16,545	117
42632	Cygnus	7½	42 16,87	2,365	47 2 19,4	16,546	17
42633	Aquarius	7	42 17,06	3,223	101 29 35,8	16,546	112
42634	Aquarius	7½	42 17,11	3,223	101 29 31,5	16,546	115
42635	Aquarius ....	.	42 17,28	2,366	47 2 23,2	16,546	1
42636	Capricornus ..	7	42 17,72	3,223	101 29 35,4	16,546	571
42637	Cygnus	9	42 18,02	2,432	49 52 1,0	16,546	5
42638	Aquarius	6	42 19,58	3,135	94 55 35,3	16,548	100
42639	Capricornus μ	5	42 22,46	3,265	104 29 6,3	16,550	181
42640	Piscis Aust. ..	9	21 42 29,46	+3,450	116 42 37,2	-16,556	181

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			h m s	"	° ' "	"	
42641	Capricornus ..	8	21 42 37.60	+3,358	110° 56' 51.6	-16.563	179
42642	Capricornus ..	8	42 37.70	3,358	110 56 54.3	16,563	179
42643	Capricornus ..	8½	42 38.68	3,219	101 11 13.2	16,564	115
42644	Capricornus ..	8	42 39.58	3,219	101 11 20.2	16,564	571
42645	Capricornus ..	8½	42 40.92	3,310	107 40 58.4	16,565	186
42646	Aquarius	8½	42 50.31	3,035	87 24 0.9	16,573	105
42647	Capricornus ..	7	42 53.03	3,219	101 14 44.3	16,575	115
42648	Capricornus ..	6½	42 53.24	3,219	101 14 45.5	16,576	572
42649	Capricornus ..	7	42 53.79	3,219	101 14 44.7	16,576	112
42650	Capricornus ..	6	42 54.15	3,219	101 14 44.4	16,576	571
42651	Cygnus	7	42 55.83	2,114	38 13 57.7	16,578	301
42652	Cygnus	8½	42 56.71	2,222	41 37 18.6	16,578	363
42653	Cygnus	•	42 57.51	2,114	38 14 3.2	16,579	374
42654	Pegasus	6	42 59.31	2,791	69 39 42.1	16,581	32
42655	Pegasus	8	42 59.33	2,618	59 1 9.3	16,581	243
42656	Pegasus	•	43 8.95	2,902	77 26 37.4	16,588	38
42657	Pegasus	9	43 9.51	2,689	63 7 55.7	16,589	26
42658	Pegasus	8	43 10.01	2,749	66 55 2.2	16,589	29
42659	Cygnus	8½	43 14.90	2,220	41 29 32.3	16,593	363
42660	Pegasus	8½	43 15.33	2,649	60 44 28.2	16,594	23
42661	Cygnus	7½	43 18.61	2,357	46 29 32.2	16,596	1
42662	Pegasus	7½	43 22.74	2,869	75 11 13.3	16,600	37
42663	Pegasus	8	43 23.31	2,869	75 11 8.3	16,600	36
42664	Pegasus	9	43 24.10	2,887	76 19 36.9	16,601	37
42665	Pegasus	8½	43 30.64	2,734	65 52 37.7	16,606	29
42666	Pegasus	7	43 34.34	2,841	73 1 47.3	16,609	117
42667	Pegasus	5½	43 34.50	2,673	62 8 13.7	16,609	22
42668	Pegasus	6	43 34.58	2,673	62 8 8.2	16,609	243
42669	Pegasus	8½	43 35.62	2,737	66 5 8.9	16,610	29
42670	Pegasus	8	43 39.41	2,928	79 17 53.4	16,613	110
42671	Cygnus	7	43 42.75	2,484	51 58 45.4	16,616	14
42672	Aquarius	6½	43 42.77	3,138	95 12 20.8	16,616	113
42673	Aquarius	6	43 43.27	3,138	95 12 27.3	16,617	182
42674	Aquarius	5	43 43.52	3,138	95 12 22.8	16,617	100
42675	Pegasus	9	43 44.69	2,996	84 22 5.0	16,618	186
42676	Cygnus	7½	43 45.12	2,575	56 33 10.9	16,618	20
42677	Cygnus	8	43 51.93	2,409	48 34 18.7	16,624	3
42678	Cygnus	8	43 55.26	2,485	52 11 39.3	16,626	14
42679	Pegasus	5	43 57.74	2,721	65 0 36.7	16,628	26
42680	Pegasus	6	21 43 58.41	+2,992	84 4 30.3	-16,629	186

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			h	m	s		°	'	"		
42681	Cygnus	9	21	44	0,59	+2,315	44	44	6,5	-16,631	241
42682	Draco.....	10	44	4,81	0,498	0,498	16	12	20,7	16,634	364
42683	Pegasus	9	44	5,32	2,945	2,945	80	33	21,0	16,635	40
42684	Capricornus ..	8	44	5,39	3,287	3,287	106	11	32,6	16,635	178
42685	Pegasus	8	44	8,63	2,724	2,724	65	10	35,9	16,637	26
42686	Aquarius	8½	44	9,33	3,406	3,406	114	13	45,0	16,638	570
42687	Aquarius	7	44	11,31	3,125	3,125	94	14	8,5	16,640	182
42688	Aquarius	7	44	11,91	3,125	3,125	94	14	11,9	16,640	113
42689	Aquarius	8	44	12,08	3,121	3,121	93	56	6,6	16,640	182
42690	Pegasus	5½	44	13,08	2,816	2,816	71	16	6,3	16,641	32
42691	Pegasus	6	44	13,25	2,816	2,816	71	16	8,2	16,641	117
42692	Aquarius	8	44	14,29	3,241	3,241	102	54	27,1	16,642	571
42693	Aquarius	•	44	15,16	3,241	3,241	102	54	21,9	16,643	115
42694	Cygnus	•	44	15,99	2,377	2,377	47	9	4,3	16,643	1
42695	Draco.....	9½	44	16,25	0,524	0,524	16	20	45,7	16,643	364
42696	Pegasus	•	44	24,32	2,607	2,607	58	12	31,0	16,650	243
42697	Pegasus	9	44	25,03	2,588	2,588	57	8	36,8	16,651	243
42698	Aquarius	8	44	25,44	3,402	3,402	113	59	31,2	16,651	570
42699	Aquarius	8½	44	26,06	3,401	3,401	113	59	22,7	16,651	185
42700	Aquarius	7	44	27,90	3,372	3,372	112	4	37,2	16,653	179
42701	Cygnus	7	44	28,28	2,489	2,489	52	5	52,2	16,653	14
42702	Cygnus	8½	44	31,83	2,253	2,253	42	23	13,6	16,656	363
42703	Aquarius	8½	44	33,17	3,137	3,137	95	9	26,3	16,657	100
42704	Pegasus	7	44	39,10	2,914	2,914	78	10	40,9	16,662	38
42705	Cygnus	8	44	46,14	2,580	2,580	56	39	13,5	16,668	20
42706	Cygnus	7½	44	50,18	2,545	2,545	54	48	31,1	16,671	16
42707	Pegasus	9	44	52,98	2,939	2,939	59	59	49,3	16,674	110
42708	Pegasus	7	44	53,61	2,817	2,817	71	13	9,7	16,674	117
42709	Pegasus	•	44	54,02	2,817	2,817	71	13	10,0	16,674	32
42710	Cygnus	8	44	54,97	2,431	2,431	49	19	54,4	16,675	5
42711	Cygnus	7½	44	55,63	2,431	2,431	49	19	52,9	16,675	3
42712	Pegasus	7	44	58,97	2,684	2,684	62	35	21,5	16,678	243
42713	Pegasus	6½	44	58,98	2,684	2,684	62	35	18,6	16,678	24
42714	Pegasus	8	45	1,01	2,731	2,731	65	30	54,7	16,680	29
42715	Piscis Aust. ..	8	45	4,37	3,439	3,439	116	26	29,0	16,683	181
42716	Aquarius	8½	45	9,20	3,121	3,121	93	58	32,7	16,686	182
42717	Aquarius	8½	45	10,30	3,121	3,121	93	58	26,8	16,687	113
42718	Capricornus ..	8	45	16,19	3,268	3,268	104	58	30,9	16,692	181
42719	Pegasus	7½	45	17,17	2,881	2,881	75	42	45,5	16,693	37
42720	Aquarius	8½	21	45	22,35	+3,414	114	56	50,2	-16,697	570

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42721	Aquarius	9	21 45 23.59	+3.414	114 56 45.1	-16.698	185
42722	Piscis Aust. ..	8	45 25.64	3.483	119 9 3.7	16.700	569
42723	Aquarius	6	45 28.73	3.051	88 34 43.7	16.702	105
42724	Cygnus	8½	45 30.84	2.539	54 21 53.3	16.704	17
42725	Aquarius	7½	45 35.91	3.159	96 46 13.2	16.708	100
42726	Aquarius	9	45 37.28	3.078	90 38 23.9	16.709	118
42727	Aquarius	9	45 37.58	3.193	99 26 43.2	16.710	112
42728	Pegasus	8½	45 38.01	2.655	60 42 36.3	16.710	23
42729	Pegasus	8½	45 39.47	2.937	79 48 13.7	16.711	110
42730	Aquarius	8	45 40.64	3.173	97 55 19.9	16.712	197
42731	Pegasus	9	45 43.15	2.988	83 41 12.9	16.714	186
42732	Capricornus ..	7	45 43.42	3.322	108 50 19.5	16.714	177
42733	Capricornus ..	7½	45 43.77	3.322	108 50 18.0	16.714	186
42734	Pegasus	8	45 44.01	2.940	80 3 10.1	16.714	110
42735	Aquarius	8½	45 44.35	3.207	100 31 44.3	16.715	572
42736	Pegasus	8½	45 44.76	2.940	80 3 15.0	16.715	40
42737	Aquarius	8½	45 45.03	3.207	100 31 36.2	16.715	112
42738	Pegasus	9	45 45.57	2.843	72 56 10.6	16.716	117
42739	Aquarius	8½	45 51.63	3.132	94 50 8.1	16.720	113
42740	Aquarius ....	.	45 53.36	3.143	95 41 53.7	16.722	100
42741	Pegasus	8	45 56.08	2.619	58 35 50.2	16.724	243
42742	Pegasus	8	45 57.66	2.580	56 25 26.9	16.726	20
42743	Pegasus	7	45 59.50	2.802	70 5 27.3	16.727	32
42744	Capricornus ..	8	45 59.77	3.340	110 7 56.7	16.727	179
42745	Pegasus	9	46 1.11	2.670	61 35 25.1	16.728	243
42746	Pegasus	7½	46 1.69	2.613	58 16 1.7	16.729	243
42747	Capricornus ..	8½	46 5.09	3.258	104 17 32.6	16.731	181
42748	Pegasus	7½	46 8.59	2.620	58 36 8.1	16.734	243
42749	Pegasus .....	.	46 8.83	2.951	80 50 39.7	16.734	40
42750	Pegasus	7	46 8.91	2.951	80 50 37.2	16.734	116
42751	Pegasus	9	46 12.07	2.621	58 41 8.2	16.737	243
42752	Pegasus	8	46 15.19	3.011	85 25 35.4	16.739	107
42753	Cepheus.....	6½	46 20.10	2.090	36 56 27.6	16.744	301
42754	Pegasus	9	46 20.18	2.726	65 0 30.8	16.744	26
42755	Cepheus.....	.	46 20.24	2.090	36 56 26.6	16.744	374
42756	Pegasus	6½	46 21.19	2.576	56 10 6.3	16.744	20
42757	Pegasus	8	46 25.05	2.740	65 54 14.3	16.747	201
42758	Cygnus	9	46 25.12	2.344	45 23 47.7	16.748	1
42759	Cygnus	9	46 31.84	2.311	44 7 50.3	16.753	241
42760	Pegasus	9	21 46 32.65	+2.988	83 42 4.7	-16.754	186

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42761	Cygnus	8	21 46 33.93	+2,306	43 56 11.0	-16,755	241
42762	Pegasus	8	46 46.23	2,917	78 17 0.3	16,765	38
42763	Pegasus	9	46 46.73	+3,011	85 26 32.2	16,765	107
42764	Cepheus.....	7½	46 47.35	-0,189	12 41 51.6	16,765	351
42765	Cygnus	7	46 49.48	+2,552	54 47 37.3	16,767	17
42766	Pegasus	9½	46 49.84	2,671	61 30 52.8	16,767	243
42767	Aquarius	•	46 51.09	3,092	91 43 30.8	16,768	183
42768	Cygnus	8	46 51.59	2,400	47 36 54.3	16,769	17
42769	Cygnus	8	46 52.99	2,304	43 47 19.8	16,770	241
42770	Capricornus ..	8½	46 53.49	3,281	106 3 56.2	16,770	178
42771	Pegasus	8	46 53.73	2,752	66 36 9.9	16,771	201
42772	Aquarius	8	46 54.53	3,399	114 10 31.5	16,771	570
42773	Aquarius	8	46 55.30	+3,399	114 10 32.2	16,772	185
42774	Cepheus.....	7½	46 56.09	-0,186	12 41 46.4	16,772	351
42775	Pegasus	7½	46 58.21	+2,574	55 57 55.9	16,774	20
42776	Cygnus	9	46 59.39	2,340	45 8 58.2	16,775	1
42777	Cygnus	8½	47 0.10	2,403	47 42 41.3	16,776	17
42778	Pegasus	8½	47 0.73	2,573	55 51 44.8	16,776	20
42779	Pegasus	9	47 1.33	2,672	61 32 14.8	16,776	243
42780	Aquarius	7½	47 2.00	3,192	99 30 34.9	16,777	572
42781	Aquarius	7½	47 2.09	3,192	99 30 31.1	16,777	112
42782	Aquarius	8	47 2.23	3,192	99 30 30.4	16,777	197
42783	Pegasus	5½	47 3.62	2,799	69 42 16.5	16,778	32
42784	Aquarius	9	47 4.68	3,193	99 31 37.1	16,779	112
42785	Cygnus	8½	47 5.10	2,277	42 44 27.6	16,780	363
42786	Aquarius	8½	47 7.87	3,250	103 51 57.3	16,782	181
42787	Pegasus	5½	47 11.27	2,926	78 52 1.9	16,785	38
42788	Pegasus	6	47 14.51	2,800	69 47 6.5	16,787	32
42789	Cygnus	8	47 14.61	2,405	47 46 12.3	16,787	17
42790	Cygnus	8½	47 16.42	2,268	42 23 16.1	16,788	363
42791	Aquarius	9½	47 20.17	* 3,028	86 46 40.8	16,792	107
42792	Pegasus	8½	47 21.52	2,943	80 9 14.8	16,793	110
42793	Pegasus	8½	47 21.59	2,853	73 30 13.3	16,793	36
42794	Aquarius	8	47 24.17	3,029	86 47 5.8	16,795	107
42795	Aquarius	9	47 24.49	3,090	91 34 15.2	16,795	183
42796	Draco.....	9	47 26.24	0,510	15 56 26.5	16,797	364
42797	Pegasus	7½	47 29.32	2,606	57 34 36.6	16,799	243
42798	Cygnus	8½	47 30.37	2,299	43 29 33.3	16,800	241
42799	Pegasus	7	47 30.54	2,831	71 55 38.9	16,800	117
42800	Aquarius	8	21 47 31.02	+3,239	103 2 50.9	-16,800	571

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42801	Draco.....	9	21 47 31,34	+0,546	16° 8' 48,7	-16,800	364
42802	Pegasus	7½	47 31,61	2,850	73 15 43,9	16,801	36
42803	Aquarius	9	47 32,56	3,130	94 40 59,2	16,802	113
42804	Aquarius	6	47 33,04	3,367	112 7 46,9	16,802	179
42805	Cygnus	8½	47 34,91	2,364	45 59 42,7	16,804	1
42806	Aquarius	8½	47 35,53	3,251	103 58 39,7	16,804	181
42807	Aquarius	7	47 36,30	3,247	103 36 53,9	16,805	181
42808	Aquarius	9	47 38,67	3,074	90 20 45,8	16,806	118
42809	Aquarius	7½	47 40,45	3,254	104 11 56,8	16,808	181
42810	Aquarius	7½	47 43,27	3,126	94 26 8,4	16,810	113
42811	Aquarius	8	47 43,40	3,126	94 26 3,3	16,810	182
42812	Aquarius	5½	47 44,22	3,151	96 21 54,3	16,811	100
42813	Aquarius	9	47 44,40	3,343	110 33 13,6	16,811	179
42814	Piscis Aust. ..	8½	47 44,41	3,430	116 17 59,5	16,811	181
42815	Pegasus	9	47 46,82	2,607	57 36 19,6	16,813	243
42816	Aquarius	9	47 48,32	3,237	102 55 34,4	16,814	571
42817	Pegasus	8	47 51,29	2,928	78 59 54,9	16,816	38
42818	Pegasus	7½	47 51,29	2,948	80 30 9,2	16,816	116
42819	Pegasus	7½	47 52,06	2,948	80 30 9,3	16,817	110
42820	Pegasus	8	47 52,30	2,948	80 30 11,6	16,817	40
42821	Cepheus.....	.	47 53,39	2,103	37 0 45,0	16,818	374
42822	Pegasus	8	47 54,61	2,952	80 48 49,7	16,819	116
42823	Pegasus	8	47 55,09	2,952	80 48 46,7	16,819	110
42824	Pegasus	8½	47 55,33	2,952	80 48 48,0	16,820	40
42825	Pegasus	8½	47 59,74	3,006	85 0 28,5	16,823	186
42826	Cygnus	8½	48 0,12	2,405	47 37 15,8	16,823	17
42827	Pegasus	9	48 0,24	3,006	85 0 20,5	16,824	186
42828	Pegasus	7½	48 0,94	2,644	59 40 30,1	16,824	23
42829	Aquarius	7½	48 1,17	3,391	113 49 19,8	16,824	570
42830	Aquarius	7½	48 1,46	3,391	113 49 10,0	16,824	185
42831	Aquarius	9	48 1,81	3,339	110 16 5,3	16,825	179
42832	Pegasus	9	48 3,38	2,755	66 36 53,6	16,826	201
42833	Aquarius	9	48 3,56	3,190	99 25 16,5	16,826	113
42834	Pegasus	8	48 11,83	2,766	67 20 42,1	16,833	31
42835	Pegasus	8	48 14,62	2,685	62 7 18,8	16,835	24
42836	Pegasus	8	48 15,84	2,814	70 38 36,2	16,836	32
42837	Piscis Aust. ..	7	48 16,34	3,482	119 34 2,9	16,836	569
42838	Cepheus.....	8	48 16,71	2,078	38 24 57,9	16,837	301
42839	Pegasus	8½	48 18,35	2,557	54 48 38,7	16,838	17
42840	Aquarius	8½	21 48 18,72	+3,213	101 7 33,5	-16,838	572

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42841	Aquarius	9	21 48 24.97	+3,278	106 1 49.7	-16,843	178
42842	Aquarius	8½	48 24.98	3,075	90 24 34.7	16,843	118
42843	Aquarius	7½	48 25.25	3,034	87 9 45.3	16,843	107
42844	Aquarius	6	48 25.53	3,034	87 9 50.7	16,844	105
42845	Cepheus.....	7	48 25.96	2,130	37 42 4.1	16,844	301
42846	Aquarius	7	48 28.30	3,137	95 18 20.4	16,846	182
42847	Aquarius	6	48 29.15	3,137	95 17 25.6	16,846	100
42848	Cygnus	9½	48 30.63	2,304	43 28 32.1	16,848	241
42849	Pegasus	7½	48 32.28	2,678	61 37 59.6	16,849	243
42850	Pegasus	8½	48 35.73	3,005	84 56 11.2	16,852	186
42851	Aquarius	9	48 35.76	3,197	99 54 59.2	16,852	113
42852	Pegasus	8½	48 39.60	2,687	62 10 35.8	16,855	24
42853	Draco.....	9	48 39.98	0,659	16 44 29.7	16,855	364
42854	Cygnus	9½	48 42.15	2,304	43 26 41.9	16,857	241
42855	Pegasus	8	48 43.18	2,750	66 12 4.0	16,857	201
42856	Pegasus	8	48 56.49	2,884	75 38 31.2	16,868	37
42857	Pegasus	8	48 59.46	2,610	57 33 36.2	16,871	243
42858	Aquarius	8½	49 2.74	3,140	95 33 27.0	16,873	100
42859	Aquarius	9	49 2.99	3,099	92 19 46.7	16,873	183
42860	Aquarius	8	49 3.49	3,214	101 15 34.0	16,874	572
42861	Aquarius	8	49 8.34	3,161	97 13 28.0	16,878	197
42862	Pegasus	8	49 14.15	2,769	67 23 11.7	16,882	31
42863	Cepheus.....	8½	49 17.57	2,130	37 31 21.7	16,885	301
42864	Piscis Aust. .η	4	49 18.87	3,477	119 24 19.9	16,886	569
42865	Aquarius	8½	49 19.79	3,309	108 20 8.1	16,887	186
42866	Aquarius	9	49 22.31	3,358	111 46 18.3	16,888	179
42867	Cygnus	7½	49 24.91	2,276	42 16 43.9	16,890	363
42868	Aquarius	8	49 25.52	3,394	114 14 47.7	16,891	570
42869	Aquarius	8	49 25.79	3,394	114 14 36.5	16,891	185
42870	Aquarius	7½	49 29.08	3,213	101 15 30.9	16,894	571
42871	Cygnus	8	49 34.41	2,415	47 43 45.2	16,898	3
42872	Cygnus	7½	49 34.67	2,415	47 43 45.3	16,898	17
42873	Aquarius	8½	49 38.25	3,215	101 26 39.7	16,901	571
42874	Cepheus.....	8½	49 38.58	2,130	37 29 8.6	16,901	301
42875	Pegasus	7½	49 41.30	2,948	80 22 24.4	16,903	116
42876	Pegasus	7½	49 41.55	2,948	80 22 22.7	16,904	110
42877	Pegasus	8	49 41.89	2,948	80 22 27.9	16,904	40
42878	Lacerta	7½	49 42.70	2,508	52 1 16.1	16,904	14
42879	Aquarius	8½	49 45.54	3,070	90 1 40.5	16,907	118
42880	Aquarius	8	21 49 46.17	+3,264	105 6 55.7	-16,907	181

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42881	Aquarius	8	21 49 48.06	+3,258	104 41 50.6	-16,909	181
42882	Pegasus	8	49 48.06	2,861	73 49 21.7	16,909	36
42883	Pegasus	7	49 50.41	2,673	61 6 50.8	16,911	243
42884	Pegasus	7	49 50.50	2,673	61 6 51.2	16,911	23
42885	Pegasus	7	49 50.88	2,673	61 6 56.1	16,911	24
42886	Lacerta	9	49 51.64	2,312	43 31 30.8	16,911	241
42887	Aquarius	8	49 52.64	3,420	115 57 42.2	16,912	181
42888	Pegasus	8	49 53.41	2,881	75 17 16.4	16,913	36
42889	Lacerta	8	49 55.44	2,418	47 48 2.1	16,915	3
42890	Lacerta	7	49 56.18	2,418	47 47 59.2	16,915	17
42891	Aquarius	8½	49 58.37	3,190	99 28 36.0	16,917	113
42892	Lacerta	7½	50 5.71	2,417	47 42 35.9	16,922	3
42893	Lacerta	7	50 6.19	2,417	47 42 40.1	16,923	17
42894	Pegasus	6	50 8.35	2,997	84 14 13.2	16,925	186
42895	Aquarius	9	50 8.86	3,163	97 23 8.3	16,925	197
42896	Pegasus	8	50 10.97	2,889	75 53 37.1	16,927	37
42897	Pegasus	8	50 11.53	2,629	58 28 1.0	16,927	243
42898	Aquarius	7½	50 17.37	3,248	103 58 27.1	16,932	181
42899	Aquarius	8½	50 19.79	3,309	108 28 5.8	16,934	186
42900	Aquarius	9	50 20.65	3,416	115 49 10.1	16,934	181
42901	Cephens	7	50 21.81	0,760	17 14 31.4	16,935	364
42902	Lacerta	8	50 22.08	2,397	46 48 17.2	16,935	1
42903	Lacerta	8	50 25.95	2,530	53 1 39.0	16,938	14
42904	Pegasus	8	50 27.15	2,610	57 19 15.6	16,939	243
42905	Pegasus	8½	50 27.83	2,674	61 4 5.7	16,940	24
42906	Pegasus	8	50 28.02	2,674	61 4 0.8	16,941	23
42907	Aquarius	9	50 32.01	3,047	88 9 38.3	16,943	105
42908	Aquarius	8	50 36.21	3,265	105 16 43.3	16,947	181
42909	Aquarius	7½	50 38.09	3,282	106 33 54.2	16,948	178
42910	Pegasus . . . . .	.	50 39.25	2,601	56 46 14.4	16,949	20
42911	Lacerta	8½	50 42.09	2,453	49 15 0.8	16,951	5
42912	Pegasus	9	50 44.05	2,746	65 38 55.4	16,952	201
42913	Aquarius	7	50 50.82	3,074	90 20 52.9	16,958	118
42914	Pegasus	8	50 53.37	2,977	83 5 59.5	16,960	102
42915	Pegasus	8½	50 54.29	3,234	102 56 45.7	16,961	571
42916	Aquarius	8½	50 55.29	3,234	102 56 50.7	16,961	571
42917	Aquarius	7½	50 56.47	3,396	114 34 18.3	16,962	570
42918	Aquarius	8	50 57.09	3,396	114 34 17.9	16,963	185
42919	Aquarius	9½	50 58.94	3,279	106 21 20.0	16,964	178
42920	Pegasus	9	21 50 59.44	+2,988	83 30 31.2	-16,964	186

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42921	Pegasus	6½	21 51 0.33	+2,724	64 10 11.9	-16,965	26
42922	Lacerta	8	51 0.40	2,533	53 3 32.8	16,965	14
42923	Lacerta	9½	51 1.37	2,449	48 59 32.4	16,966	5
42924	Aquarius	8½	51 4.82	3,159	97 10 8.4	16,969	197
42925	Aquarius	8	51 6.18	3,159	97 10 6.9	16,970	100
42926	Aquarius	7	51 9.99	3,313	108 51 14.3	16,973	177
42927	Aquarius	7	51 10.21	3,313	108 51 18.0	16,973	186
42928	Aquarius	8	51 10.25	3,206	100 49 54.7	16,973	572
42929	Pegasus	6	51 13.51	2,978	82 41 46.6	16,976	102
42930	Piscis Aust. ..	6½	51 15.12	3,454	118 19 19.9	16,977	569
42931	Pegasus	8	51 15.68	2,888	75 41 29.4	16,977	37
42932	Pegasus	6	51 20.88	2,916	77 49 55.3	16,981	38
42933	Pegasus	8	51 23.99	2,617	57 31 49.7	16,984	243
42934	Aquarius	8½	51 25.79	3,096	92 5 3.6	16,985	183
42935	Aquarius	7½	51 28.91	3,300	107 55 17.3	16,988	177
42936	Aquarius	7½	51 29.21	3,300	107 55 16.0	16,988	186
42937	Aquarius	8½	51 29.27	3,198	100 14 15.7	16,988	572
42938	Aquarius	8½	51 29.31	3,198	100 14 8.6	16,988	113
42939	Pegasus .....	.	51 35.89	2,768	67 0 35.5	16,993	31
42940	Pegasus	7½	51 36.23	2,596	56 19 32.5	16,993	20
42941	Pegasus	9½	51 36.24	3,021	86 4 12.1	16,993	107
42942	Pegasus	7½	51 37.48	2,798	69 5 12.3	16,994	32
42943	Pegasus	6½	51 39.88	2,625	57 57 6.2	16,996	243
42944	Piscis Aust. ..	7½	51 43.69	3,447	118 0 29.4	16,999	569
42945	Pegasus	8½	51 44.51	2,801	69 16 16.4	16,999	32
42946	Pegasus	8½	51 48.74	3,022	86 10 45.2	17,003	107
42947	Pegasus	6½	51 53.94	2,653	59 35 9.5	17,007	23
42948	Lacerta	8½	51 53.94	2,385	45 59 5.7	17,007	1
42949	Pegasus	8½	51 57.18	3,026	86 29 15.9	17,009	107
42950	Lacerta	8½	52 0.14	2,442	48 27 18.8	17,012	3
42951	Lacerta	7½	52 0.74	2,441	48 21 44.0	17,012	17
42952	Pegasus	6½	52 2.73	2,651	59 25 14.2	17,013	23
42953	Cygnus	8	52 3.56	2,278	41 49 48.1	17,014	363
42954	Lacerta	8½	52 4.05	2,395	46 24 12.0	17,015	1
42955	Pegasus	6½	52 4.67	2,726	64 7 31.5	17,015	26
42956	Aquarius	9	52 5.73	3,192	99 50 36.9	17,016	113
42957	Pegasus	6	52 11.63	2,945	79 58 57.0	17,020	116
42958	Pegasus	7	52 12.05	2,945	79 58 59.6	17,021	40
42959	Aquarius	8½	52 14.73	3,093	91 52 32.9	17,023	183
42960	Aquarius	9½	21 52 16.69	+3,174	98 23 46.9	-17,024	197

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42961	Pegasus	6	21 52 17.12	+2,937	79 23 25.9	-17,025	116
42962	Pegasus	9	52 21.20	2,761	66 23 33.5	17,028	201
42963	Aquarius	7½	52 24.65	3,187	99 27 30.4	17,031	113
42964	Aquarius	8	52 25.05	3,187	99 27 28.1	17,031	572
42965	Lacerta	7	52 29.00	2,506	51 25 46.2	17,034	14
42966	Aquarius	9	52 30.85	3,411	115 48 21.6	17,035	181
42967	Aquarius	9	52 30.98	3,411	115 46 41.1	17,035	181
42968	Aquarius	9	52 31.19	3,174	98 25 9.9	17,035	197
42969	Aquarius	8½	52 31.38	3,271	105 54 32.2	17,036	178
42970	Pegasus	8½	52 32.92	2,625	57 47 5.8	17,037	243
42971	Lacerta	8	52 33.07	2,408	46 51 6.2	17,037	1
42972	Pegasus	7	52 35.39	2,734	64 34 47.9	17,039	26
42973	Pegasus	7	52 40.75	2,940	79 35 21.1	17,043	116
42974	Lacerta	6½	52 41.49	2,513	51 42 38.6	17,044	14
42975	Lacerta	8	52 43.91	2,567	54 31 23.3	17,045	17
42976	Pegasus	8	52 44.02	2,976	82 26 31.6	17,046	102
42977	Lacerta	8	52 44.86	2,284	41 54 17.9	17,046	363
42978	Aquarius	4½	52 45.57	3,162	97 28 56.6	17,047	100
42979	Lacerta	8	52 48.72	2,420	47 19 14.3	17,049	3
42980	Lacerta	8	52 49.84	2,420	47 19 15.6	17,050	17
42981	Aquarius .. 0	5	52 57.41	3,108	93 6 51.5	17,056	182
42982	Aquarius .. 0	6	52 58.07	3,108	93 6 50.3	17,056	113
42983	Aquarius .. 0	5	52 58.22	3,108	93 6 47.8	17,056	183
42984	Aquarius	8	52 59.90	3,365	112 44 26.5	17,058	179
42985	Aquarius ....	.	53 0.02	3,042	87 46 30.7	17,058	105
42986	Pegasus	8½	53 0.44	2,848	72 30 55.1	17,058	117
42987	Aquarius	7½	53 0.48	3,152	96 39 13.8	17,058	100
42988	Aquarius	7½	53 1.44	3,154	96 51 2.4	17,059	100
42989	Pegasus	7	53 1.50	2,881	74 58 15.0	17,059	36
42990	Piscis Aust. ..	7	53 6.93	3,425	116 50 44.2	17,063	181
42991	Pegasus	9	53 8.92	2,850	72 39 16.2	17,064	117
42992	Piscis Aust. ..	6½	53 10.67	3,466	119 23 46.9	17,066	569
42993	Piscis Aust. ..	5½	53 12.49	3,440	117 47 2.2	17,067	569
42994	Pegasus	7½	53 14.18	2,777	67 22 48.3	17,069	31
42995	Pegasus	7½	53 14.33	2,906	76 55 11.3	17,069	37
42996	Lacerta	9	53 17.07	2,311	42 46 25.6	17,071	363
42997	Pegasus	8	53 17.82	2,884	75 10 31.1	17,072	37
42998	Pegasus	9	53 18.84	2,739	64 45 23.8	17,072	26
42999	Aquarius	7½	53 19.16	3,244	103 58 44.5	17,072	181
43000	Lacerta	8	21 53 20.50	+2,516	51 45 9.3	-17,073	14

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43001	Pegasus	9	21	53	20,93	+2,578	55	0	44,0	-17,074	17
43002	Pegasus	7½		53	22,05	3,026	85	31	2,3	17,075	107
43003	Lacerta	7½		53	26,73	2,469	49	25	6,8	17,078	5
43004	Pegasus	8		53	29,75	3,028	86	33	57,5	17,080	107
43005	Pegasus	6½		53	30,23	2,941	79	34	27,6	17,081	40
43006	Pegasus	6		53	30,48	2,941	79	34	25,8	17,081	38
43007	Pegasus	8		53	30,73	2,941	79	35	20,9	17,081	116
43008	Aquarius	9		53	34,54	3,392	114	41	33,8	17,084	570
43009	Aquarius	8		53	37,10	3,263	105	24	29,3	17,086	178
43010	Lacerta	7½		53	41,89	2,560	53	58	34,6	17,090	17
43011	Aquarius	9		53	41,98	3,370	113	12	20,7	17,090	179
43012	Pegasus	8		53	43,25	3,023	86	9	55,6	17,091	107
43013	Pegasus	7½		53	43,33	2,608	56	34	49,0	17,091	20
43014	Lacerta	9		53	43,42	2,310	42	39	41,3	17,091	363
43015	Pegasus	8½		53	44,28	2,704	62	26	52,4	17,091	243
43016	Pegasus	7		53	49,80	2,625	57	34	52,3	17,096	243
43017	Pegasus	8		53	52,89	2,884	75	6	4,9	17,098	37
43018	Pegasus	6		53	54,23	2,669	60	11	14,5	17,099	23
43019	Aquarius	8		53	55,11	3,189	99	40	32,8	17,100	113
43020	Aquarius	8		53	55,17	3,189	99	40	31,0	17,100	572
43021	Aquarius	9		53	59,18	3,216	101	50	41,5	17,103	571
43022	Aquarius	8½		53	59,30	3,216	101	50	36,8	17,103	115
43023	Lacerta .....	.		54	0,46	+2,409	46	37	9,4	17,104	1
43024	Cepheus.....	7		54	3,12	-0,399	11	23	52,9	17,106	351
43025	Aquarius	9		54	4,91	+3,386	114	23	54,8	17,107	570
43026	Cepheus.....	9		54	17,52	0,593	15	43	35,6	17,117	364
43027	Lacerta	8		54	24,54	2,516	51	31	57,7	17,122	14
43028	Lacerta	8		54	29,25	2,514	51	23	54,5	17,126	14
43029	Pegasus	8		54	29,39	2,730	64	0	50,4	17,126	26
43030	Cepheus.....	6½		54	29,40	2,181	38	4	39,4	17,126	301
43031	Aquarius	6		54	29,69	3,092	91	51	58,3	17,126	183
43032	Aquarius ....	.		54	30,16	3,092	91	51	57,4	17,127	105
43033	Cepheus.....	.		54	31,82	2,181	38	4	36,8	17,128	374
43034	Cepheus.....	7½		54	31,87	2,181	38	4	42,3	17,128	369
43035	Lacerta	7½		54	32,15	2,446	48	8	44,4	17,128	3
43036	Lacerta	7½		54	32,82	2,446	48	8	48,9	17,129	17
43037	Pegasus	8		54	40,23	2,956	80	43	20,6	17,134	40
43038	Pegasus	7		54	40,34	2,956	80	43	14,6	17,134	116
43039	Cepheus.....	9		54	45,98	0,619	15	49	54,4	17,138	364
43040	Aquarius	8	21	54	47,15	+3,317	109	37	57,2	-17,139	179

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43041	Lacerta	8	21	54	52.99	+2,480	49	38	21.3	-17,144	5
43042	Lacerta	6		54	53.64	2,406	46	18	39.6	17,144	1
43043	Pegasus	7½		54	55.41	2,710	62	36	50.4	17,145	243
43044	Aquarius	9		54	55.42	3,203	100	51	47.0	17,146	113
43045	Lacerta	9		55	3.77	2,337	43	25	11.3	17,152	363
43046	Lacerta	9		55	9.36	2,310	42	22	54.1	17,156	363
43047	Pegasus	6½		55	16.67	2,682	60	45	28.6	17,162	23
43048	Pegasus	6		55	17.46	2,682	60	45	29.5	17,162	24
43049	Pegasus	7		55	21.43	2,685	60	55	27.7	17,165	24
43050	Pegasus	8		55	25.89	2,690	61	12	43.1	17,169	24
43051	Pegasus	7		55	26.64	2,685	60	55	24.8	17,169	23
43052	Aquarius .. α	3		55	28.87	3,085	91	16	59.8	17,171	102
43053	Aquarius .. α	3		55	29.43	3,085	91	16	54.1	17,171	115
43054	Aquarius .. α	3		55	29.54	3,085	91	17	8.0	17,172	106
43055	Aquarius .. α	3½		55	30.24	3,085	91	17	6.4	17,172	118
43056	Aquarius .. α	3		55	30.35	3,085	91	17	7.8	17,172	105
43057	Aquarius .. α	3		55	30.48	3,085	91	17	5.7	17,172	190
43058	Aquarius .. α	3		55	30.49	3,085	91	17	4.0	17,172	182
43059	Aquarius .. α	3		55	30.53	3,085	91	17	5.7	17,172	183
43060	Aquarius .. α	3		55	30.61	3,085	91	17	4.7	17,172	184
43061	Aquarius .. α	3		55	30.63	3,085	91	17	3.9	17,172	113
43062	Aquarius .. α	3		55	31.50	3,085	91	17	2.8	17,173	197
43063	Pegasus	10		55	33.67	3,017	85	36	39.8	17,174	107
43064	Aquarius	3		55	33.68	3,208	101	17	23.5	17,174	186
43065	Pegasus γ	8		55	35.26	3,020	85	54	50.5	17,176	107
43066	Aquarius	7		55	35.42	3,146	96	19	12.0	17,176	100
43067	Pegasus	8		55	36.80	2,671	60	□	16.7	17,177	23
43068	Pegasus	8		55	36.91	2,688	61	5	20.8	17,177	24
43069	Aquarius .. δ	4		55	37.19	3,253	104	49	58.7	17,177	178
43070	Aquarius .. δ	4		55	37.33	3,253	104	49	58.1	17,177	181
43071	Pegasus	7½		55	38.42	2,795	68	19	31.6	17,178	31
43072	Lacerta	9		55	40.96	2,310	42	16	42.8	17,180	363
43073	Pegasus	7		55	44.95	2,639	58	1	14.3	17,183	243
43074	Lacerta	9		55	45.62	2,409	46	14	22.1	17,184	1
43075	Pegasus	10		55	45.76	3,023	86	6	2.9	17,184	107
43076	Lacerta	9		55	47.15	2,412	46	22	27.2	17,185	1
43077	Cepheus	7		55	50.50	0,658	15	57	33.1	17,187	364
43078	Pegasus	8		55	59.78	2,865	73	27	4.3	17,194	37
43079	Lacerta	6		56	0.72	2,419	46	37	10.4	17,195	1
43080	Lacerta	6	21	56	0.87	+2,419	46	37	11.6	-17,195	17

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43081	Pegasus	5	21 56 1.55	+2,738	64 17 35.3	-17,195	26
43082	Aquarius	7	56 4.49	3,365	113 12 34.2	17,198	179
43083	Aquarius	9	56 10.44	3,097	92 15 39.0	17,202	183
43084	Pegasus	9	56 12.65	2,642	58 8 11.4	17,204	243
43085	Aquarius	9	56 12.97	3,208	101 22 34.8	17,204	571
43086	Aquarius	9	56 14.16	3,189	99 52 24.0	17,205	113
43087	Cepheus.....	8	56 14.53	2,197	38 14 39.3	17,205	301
43088	Piscis Aust. ..	8	56 15.09	3,451	119 1 26.3	17,206	569
43089	Cepheus.....	9	56 16.51	2,198	38 14 47.0	17,207	303
43090	Aquarius	7½	56 17.29	3,059	89 7 15.8	17,207	105
43091	Pegasus	7	56 18.44	2,959	80 52 20.3	17,208	116
43092	Piscis Aust. ..	7	56 18.65	3,452	119 6 59.2	17,208	569
43093	Pegasus	8½	56 18.66	2,959	80 52 21.4	17,209	40
43094	Aquarius	8	56 20.75	3,394	115 16 30.5	17,210	570
43095	Cepheus.....	8½	56 21.66	2,183	37 45 10.6	17,211	301
43096	Cepheus.....	8	56 22.20	2,183	37 45 10.5	17,211	303
43097	Aquarius	8	56 23.32	3,327	110 32 13.7	17,212	179
43098	Pegasus	8	56 25.71	2,615	56 29 1.8	17,214	20
43099	Aquarius	8½	56 27.87	3,397	115 28 56.9	17,215	570
43100	Pegasus	8	56 29.26	3,019	85 46 20.1	17,216	107
43101	Lacerta	9	56 30.03	2,562	53 29 51.0	17,217	17
43102	Pegasus	5½	56 31.11	2,705	62 0 6.6	17,218	24
43103	Pegasus	8	56 35.83	2,822	70 9 51.8	17,221	32
43104	Aquarius	6½	56 38.61	3,208	101 24 58.0	17,223	571
43105	Aquarius	9	56 40.73	3,192	100 8 51.9	17,225	113
43106	Aquarius	8	56 41.88	3,354	112 33 39.1	17,226	180
43107	Pegasus	9	56 43.30	2,824	70 17 40.9	17,227	32
43108	Aquarius	7½	56 44.55	3,259	105 27 36.8	17,228	178
43109	Aquarius	7	56 44.73	3,259	105 27 30.9	17,228	181
43110	Pegasus	8	56 47.72	2,721	62 59 20.4	17,230	243
43111	Aquarius	8	56 50.63	3,074	90 24 4.3	17,232	118
43112	Aquarius	9½	56 53.75	3,304	108 54 3.2	17,235	186
43113	Lacerta	8	56 56.06	2,583	54 34 52.1	17,236	17
43114	Pegasus	8½	56 57.12	2,762	65 45 18.9	17,237	201
43115	Pegasus	8½	56 59.15	2,901	76 6 35.1	17,239	37
43116	Aquarius	7½	57 1.25	3,384	114 42 18.3	17,240	570
43117	Lacerta	6½	57 1.61	2,355	43 43 57.3	17,240	241
43118	Lacerta	7	57 2.31	2,355	43 43 58.6	17,241	363
43119	Pegasus	8	57 4.99	2,660	59 2 28.0	17,243	23
43120	Pegasus	8	21 57 6.65	+2,939	79 11 59.9	-17,244	40

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43121	Aquarius	7½	21 57 7,06	+3,203	101 2 50,9	-17,244	572
43122	Pegasus	8	57 10,59	2,763	65 49 3,0	17,247	201
43123	Pegasus	8	57 11,03	2,737	64 1 41,6	17,248	26
43124	Aquarius	7½	57 12,58	3,151	96 47 58,1	17,249	100
43125	Aquarius	8½	57 15,24	3,302	108 47 56,5	17,251	186
43126	Pegasus	8	57 15,30	2,939	79 12 0,1	17,251	38
43127	Lacerta	6½	57 20,42	2,369	44 13 12,8	17,254	241
43128	Lacerta	8½	57 22,70	2,490	49 36 54,2	17,256	5
43129	Aquarius	8	57 24,65	3,147	96 28 5,0	17,258	100
43130	Piscis Aust. ..	7	57 26,33	3,415	116 54 27,3	17,259	181
43131	Lacerta	8	57 32,35	2,478	49 0 16,9	17,263	3
43132	Lacerta	8	57 32,40	2,478	49 0 26,7	17,264	17
43133	Cepheus.....	9½	57 37,00	2,237	39 15 55,8	17,267	369
43134	Pegasus	8	57 37,76	2,952	80 12 57,1	17,268	40
43135	Pegasus	7	57 37,80	2,952	80 12 55,8	17,268	116
43136	Pegasus	9	57 39,04	2,718	62 39 2,8	17,268	243
43137	Pegasus 1	4	57 42,57	2,761	65 37 32,8	17,271	201
43138	Pegasus	9	57 43,43	2,764	65 49 37,9	17,271	201
43139	Aquarius	8½	57 45,29	3,157	97 21 15,6	17,273	197
43140	Lacerta	6	57 46,30	2,410	45 51 20,8	17,274	1
43141	Lacerta	8	57 47,64	2,526	51 20 26,1	17,275	14
43142	Pegasus	7	57 47,89	2,966	81 17 52,6	17,275	116
43143	Aquarius	8	57 47,91	3,123	94 29 58,2	17,275	182
43144	Pegasus	7	57 48,98	2,743	64 20 50,7	17,276	26
43145	Aquarius	9½	57 50,10	3,260	105 37 1,5	17,277	178
43146	Aquarius	7½	57 51,08	3,221	102 35 2,0	17,277	115
43147	Aquarius	7	57 51,21	3,221	102 34 59,8	17,277	571
43148	Aquarius	8½	57 51,71	3,179	99 9 44,5	17,278	572
43149	Cephena.....	9	57 53,79	2,183	37 27 27,0	17,279	303
43150	Cepheus.....	9	57 54,17	2,183	37 27 28,1	17,280	301
43151	Pegasus	•	57 56,15	2,862	72 58 6,9	17,281	34
43152	Lacerta	6	57 57,33	2,413	45 57 18,8	17,282	1
43153	Pegasus	6½	57 57,52	2,842	71 29 48,6	17,282	117
43154	Aquarius	9	57 58,73	3,180	99 15 43,2	17,283	113
43155	Aquarius	7½	57 59,70	3,242	104 16 16,9	17,284	181
43156	Aquarius	6	57 59,81	3,310	109 29 27,4	17,284	179
43157	Lacerta	9	58 1,36	2,309	41 44 9,0	17,285	363
43158	Aquarius	9	58 6,48	3,309	109 27 20,1	17,289	179
43159	Lacerta	6	58 7,77	2,408	45 43 14,6	17,290	1
43160	Pegasus	7½	21 58 8,23	+2,688	60 39 7,6	-17,290	23

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43161	Pegasus	8	21 58 12.04	+2,924	77 54 3.1	-17,293	38
43162	Pegasus	8½	58 12.69	3,028	86 27 10.9	17,293	108
43163	Aquarius	6½	58 15.21	3,380	114 37 58.6	17,295	570
43164	Pegasus	6½	58 15.42	2,621	56 27 9.1	17,295	20
43165	Pegasus	8	58 21.00	2,593	54 52 32.9	17,299	17
43166	Pegasus	8	58 23.84	2,768	65 57 18.8	17,301	201
43167	Pegasus	8½	58 24.43	2,623	56 33 44.2	17,302	20
43168	Aquarius	9	58 24.65	3,080	90 54 40.9	17,302	118
43169	Aquarius	8	58 25.50	3,077	90 38 1.3	17,303	118
43170	Pegasus	5	58 27.20	2,814	69 15 49.7	17,304	31
43171	Pegasus	5½	58 27.40	2,814	69 15 55.1	17,304	32
43172	Aquarius	9	58 28.80	3,308	109 24 26.7	17,305	179
43173	Cepheus.....	9	58 29.29	0,694	15 53 26.6	17,305	364
43174	Piscis Aust. ..	6	58 34.21	3,448	119 16 5.2	17,309	569
43175	Aquarius	8	58 35.96	3,220	102 31 14.5	17,311	115
43176	Aquarius	7½	58 36.27	3,214	102 20 13.8	17,311	571
43177	Cepheus.....	7	58 38.11	2,184	37 20 42.8	17,312	303
43178	Cepheus.....	7½	58 38.84	2,184	37 20 42.8	17,313	301
43179	Aquarius	9½	58 39.78	3,093	91 58 13.7	17,313	183
43180	Aquarius	9	58 43.92	3,167	98 12 54.0	17,316	197
43181	Pegasus	8	58 45.97	3,031	86 44 6.4	17,318	108
43182	Aquarius	8½	58 47.96	3,045	87 53 24.3	17,319	105
43183	Aquarius	7	58 51.75	3,178	99 9 43.6	17,322	113
43184	Pegasus	8½	58 52.06	2,740	63 57 30.9	17,322	26
43185	Pegasus	9	58 55.08	2,641	57 33 16.2	17,324	243
43186	Aquarius	8	58 55.96	3,170	98 29 48.9	17,325	197
43187	Pegasus	9	58 56.20	2,926	77 59 26.0	17,325	38
43188	Aquarius	9	58 57.53	3,264	106 5 53.1	17,326	185
43189	Aquarius	8½	58 57.56	3,248	104 51 49.5	17,326	181
43190	Aquarius	7	58 59.32	3,049	88 14 17.6	17,328	184
43191	Aquarius	6½	58 59.40	3,049	88 14 16.2	17,328	110
43192	Aquarius	6	58 59.62	3,049	88 14 18.1	17,328	105
43193	Pegasus	8½	59 2.74	2,701	61 17 16.9	17,330	24
43194	Pegasus	8	59 2.93	2,701	61 17 14.1	17,330	243
43195	Pegasus	7½	59 4.02	2,762	65 25 41.2	17,331	201
43196	Pegasus	5½	59 4.04	2,762	65 25 35.5	17,331	26
43197	Lacerta	9	59 7.97	2,314	41 42 8.4	17,334	363
43198	Cepheus.....	9½	59 8.46	2,243	39 9 55.9	17,334	369
43199	Pegasus	8	59 8.54	2,993	83 28 47.7	17,334	106
43200	Pegasus	8	21 59 9.67	+2,967	81 31 18.8	-17,335	102

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			h m s	s	° ' "	"	
43201	Lacerta	9½	21 59 9.94	+2,387	44 36 7.8	-17,335	241
43202	Aquarius	•	59 13.26	3,341	111 57 58.2	17,338	180
43203	Lacerta	8½	59 16.09	2,537	51 38 8.0	17,340	15
43204	Aquarius	9	59 22.51	3,262	105 58 34.4	17,345	185
43205	Cepheus	8	59 28.63	2,205	37 49 22.2	17,349	301
43206	Cepheus	8	59 29.28	2,205	37 49 22.0	17,350	303
43207	Pegasus	7	59 31.11	2,565	53 3 40.6	17,351	14
43208	Pegasus	•	59 31.64	2,927	78 0 54.9	17,352	38
43209	Aquarius	9	59 31.86	3,197	100 44 14.4	17,352	113
43210	Aquarius	9	59 32.37	3,228	103 18 50.0	17,352	181
43211	Lacerta	•	59 33.04	2,466	48 1 11.9	17,352	17
43212	Lacerta	8	59 33.09	2,466	48 1 13.0	17,352	3
43213	Lacerta	8	59 33.18	2,457	47 36 46.6	17,352	17
43214	Pegasus	8	59 34.14	2,870	73 24 48.0	17,354	37
43215	Pegasus	9	59 34.47	2,890	75 0 38.9	17,354	37
43216	Cepheus	9½	59 39.53	0,890	17 5 43.4	17,357	364
43217	Aquarius	8½	59 44.27	3,192	100 21 52.0	17,360	113
43218	Aquarius	•	59 44.41	3,192	100 21 46.7	17,361	572
43219	Aquarius	8½	59 47.48	3,056	88 49 32.3	17,363	110
43220	Pegasus	•	59 52.73	3,033	86 52 26.3	17,367	108
43221	Pegasus	8	59 53.37	3,033	86 52 26.6	17,367	117
43222	Aquarius .. e²	5½	59 54.96	3,218	102 32 31.1	17,368	115
43223	Cepheus	8	59 54.99	0,901	17 8 38.3	17,368	364
43224	Aquarius .. e²	5	59 55.01	3,218	102 32 30.7	17,368	571
43225	Aquarius	6	59 55.17	3,343	112 12 28.3	17,368	180
43226	Aquarius	7	59 56.63	3,127	94 52 5.6	17,370	182
43227	Aquarius	5½	59 56.78	3,127	94 51 59.0	17,370	100
43228	Lacerta	9	21 59 58.41	2,459	47 36 42.5	17,371	3
43229	Cepheus	9	22 0 0.92	2,203	37 39 49.9	17,373	301
43230	Lacerta	8	0 1.19	2,539	51 36 7.7	17,373	15
43231	Cepheus	6½	0 1.36	2,204	37 39 59.9	17,373	301
43232	Cepheus	6½	0 1.80	2,204	37 39 54.8	17,373	303
43233	Aquarius	8	0 1.93	3,359	113 26 30.4	17,374	570
43234	Pegasus	8½	0 5.32	2,988	83 1 16.6	17,376	102
43235	Piscis Aust. ..	6½	0 5.91	3,427	118 7 47.6	17,376	569
43236	Pegasus θ	4	■ 6.44	3,009	84 46 49.3	17,377	106
43237	Pegasus θ	4	■ 6.60	3,009	84 46 54.1	17,377	186
43238	Cepheus	7½	0 6.75	0,678	15 36 33.4	17,377	364
43239	Aquarius	7	■ 7.34	3,131	95 14 36.7	17,377	182
43240	Aquarius	5	22 0 8.07	+3,131	95 14 38.2	-17,378	100

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43241	Lacerta	8	22	0	13.69	+2,540	51	33	7.6	-17,382	15
43242	Aquarius	8½		0	13.86	3,356	113	11	6.2	17,382	180
43243	Aquarius	8½		0	14.31	3,355	113	11	14.7	17,382	570
43244	Cepheus.....	8½		0	17.93	0,853	17	7	3.2	17,385	364
43245	Pegasus .. π¹	5½		0	22.13	2,650	57	47	56.9	17,388	20
43246	Pegasus .. π¹	5½		0	22.51	2,650	57	47	56.1	17,388	243
43247	Pegasus	8½		0	30.39	2,825	69	49	59.1	17,394	32
43248	Aquarius	9		0	32.86	3,195	100	42	4.0	17,396	113
43249	Pegasus	8		0	36.12	2,618	55	50	42.5	17,398	302
43250	Lacerta	6½		0	37.24	2,410	45	14	13.2	17,399	1
43251	Pegasus	7		0	39.55	2,908	76	20	45.1	17,401	37
43252	Pegasus	8		0	41.24	2,799	67	50	57.4	17,402	31
43253	Lacerta	8		0	46.79	2,358	43	2	30.1	17,406	363
43254	Lacerta	7½		0	46.96	2,358	43	2	25.6	17,406	241
43255	Pegasus	6½		0	47.31	2,845	71	21	21.4	17,406	34
43256	Lacerta	7½		0	47.35	2,358	43	2	18.9	17,406	363
43257	Pegasus	7		0	48.50	2,945	79	20	56.2	17,407	38
43258	Pegasus	6½		0	48.86	2,945	79	20	58.9	17,408	40
43259	Pegasus	8		0	50.51	2,882	74	16	3.5	17,409	37
43260	Aquarius	8½		0	54.17	3,211	102	0	8.7	17,411	115
43261	Aquarius	8½		0	54.45	3,211	102	0	14.7	17,412	571
43262	Lacerta	6½		0	56.26	2,431	46	6	16.8	17,413	1
43263	Pegasus	8½		0	59.97	2,846	71	22	18.2	17,416	34
43264	Pegasus	5½	1		3.86	2,828	69	59	58.1	17,419	32
43265	Pegasus	9	1		5.24	3,020	85	40	56.5	17,419	108
43266	Lacerta	6½	1		6.28	2,432	46	7	52.7	17,420	1
43267	Pegasus .. π²	4½	1		6.76	2,652	57	47	52.7	17,420	20
43268	Pegasus .. π²	4	1		6.81	2,652	57	47	51.1	17,420	243
43269	Pegasus	8	1		6.84	2,769	65	37	54.0	17,421	201
43270	Lacerta	7½	1		8.46	2,345	42	27	40.3	17,422	363
43271	Aquarius	9	1		12.87	3,195	100	43	28.9	17,425	113
43272	Piscis Aust. ..	7	1		16.70	3,423	118	3	58.1	17,428	569
43273	Pegasus	7	1		20.86	2,619	55	45	47.3	17,431	302
43274	Aquarius	9	1		23.83	3,250	105	12	23.4	17,432	178
43275	Aquarius	8	1		23.99	3,250	105	12	23.9	17,433	185
43276	Aquarius	8½	1		24.14	3,249	105	12	18.7	17,433	181
43277	Lacerta	9	1		27.66	2,460	47	20	2.5	17,436	3
43278	Lacerta	8	1		27.69	2,386	44	3	20.7	17,436	241
43279	Lacerta	7	1		29.04	2,469	47	44	25.7	17,437	17
43280	Lacerta	7	22	1	29.09	+2,470	47	47	30.0	-17,437	3

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43281	Aquarius	22	1	29,68	+3,335	111	52	2,1
43282	Pegasus	7½		1	30,37	2,691	60	9	41,7
43283	Pegasus		1	34,26	3,009	84	47	22,0
43284	Pegasus	9		1	35,80	2,968	81	16	30,6
43285	Aquarius	8½		1	35,84	3,085	91	20	27,5
43286	Aquarius	7		1	36,31	3,211	102	2	43,6
43287	Aquarius	7		1	36,42	3,211	102	2	42,8
43288	Aquarius	9½		1	36,61	3,297	109	0	30,9
43289	Aquarius	6½		1	37,34	3,249	105	10	21,4
43290	Aquarius	6		1	37,77	3,249	105	10	18,5
43291	Aquarius	6		1	37,89	3,249	105	10	20,6
43292	Pegasus	8½		1	39,16	2,782	66	29	26,6
43293	Piscis Aust. . .	6		1	39,40	3,410	117	17	28,3
43294	Piscis Aust. . .	6		1	39,56	3,411	117	18	27,2
43295	Pegasus	8		1	39,89	2,764	65	9	50,3
43296	Aquarius	8		1	44,12	3,335	111	52	0,9
43297	Piscis Aust. . .	.		1	45,41	3,413	117	28	29,6
43298	Piscis Aust. . .	7½		1	45,96	3,413	117	28	32,3
43299	Pegasus	9		1	47,21	3,036	87	4	29,2
43300	Pegasus	9		1	47,60	3,035	86	59	29,4
43301	Pegasus	8½		1	48,74	3,008	84	41	17,7
43302	Pegasus	5½		1	50,42	2,696	60	25	42,0
43303	Pegasus	8		1	54,66	3,001	84	5	0,3
43304	Lacerta	9		1	56,30	2,589	53	52	15,5
43305	Aquarius	8½		2	1,42	3,174	98	59	29,6
43306	Aquarius	8		2	1,66	3,174	98	59	37,0
43307	Pegasus	8½		2	5,76	2,779	66	11	52,3
43308	Pegasus	6½		2	6,05	2,738	63	14	32,7
43309	Aquarius	7		2	7,48	3,049	88	14	41,4
43310	Aquarius	7		2	7,95	3,049	88	14	42,9
43311	Aquarius	6½		2	8,05	3,049	88	14	44,2
43312	Pegasus	6		2	12,43	2,893	74	56	20,9
43313	Pegasus	7		2	12,49	2,893	74	56	18,9
43314	Pegasus	7½		2	17,72	2,716	61	43	32,0
43315	Aquarius	6		2	18,77	3,135	95	42	3,1
43316	Aquarius	8		2	19,44	3,244	104	51	6,8
43317	Pegasus	9		2	19,88	2,945	79	13	54,3
43318	Lacerta	7		2	27,67	2,465	47	19	55,9
43319	Pegasus	7½		2	27,69	2,605	54	42	35,3
43320	Lacerta	9	22	2	31,21	+2,588	53	41	16,1
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			h	m	s	s	°	'	"	"	
43321	Lacerta	8½	22	2	32.80	+2,387	43	50	16.1	-17,482	241
43322	Lacerta	8		2	37.38	2,369	43	3	57.3	17,486	363
43323	Lacerta	8		2	38.49	2,369	43	3	45.1	17,486	363
43324	Aquarius	7		2	43.91	3,220	102	54	26.4	17,490	571
43325	Aquarius	7		2	44.18	3,220	102	54	27.1	17,491	115
43326	Pegasus	8		2	44.74	2,764	64	56	47.6	17,491	26
43327	Lacerta	6		2	45.38	2,479	47	56	59.6	17,491	3
43328	Lacerta	6½		2	46.03	2,479	47	56	58.6	17,492	18
43329	Lacerta	8		2	50.77	2,545	51	16	2.4	17,495	5
43330	Lacerta	8		2	50.78	2,545	51	15	59.3	17,495	15
43331	Pegasus	6½		2	50.81	2,779	66	1	53.0	17,495	201
43332	Lacerta	8		2	52.52	2,469	47	27	6.0	17,497	3
43333	Lacerta	7		2	53.08	2,469	47	27	7.0	17,497	18
43334	Piscis Aust. λ	4½		2	56.65	3,428	118	45	1.0	17,499	569
43335	Pegasus	7½		2	57.77	3,010	84	48	26.6	17,500	107
43336	Aquarius	9		2	59.36	3,067	89	47	40.6	17,501	118
43337	Aquarius	7½		3	1.56	3,339	112	23	36.4	17,503	180
43338	Aquarius	7½		3	4.70	3,100	92	37	53.4	17,505	183
43339	Pegasus	9		3	5.30	2,907	75	58	33.0	17,506	37
43340	Pegasus	8½		3	6.62	2,796	67	13	17.8	17,507	31
43341	Lacerta	8		3	8.23	2,570	52	33	55.7	17,508	15
43342	Lacerta	9		3	11.14	2,353	42	18	15.1	17,510	363
43343	Aquarius	5		3	14.09	3,334	112	3	48.3	17,512	180
43344	Aquarius	-		3	14.18	3,334	112	3	46.5	17,512	570
43345	Pegasus	9		3	20.30	2,946	79	13	54.2	17,516	38
43346	Lacerta	8		3	20.43	2,391	43	49	57.9	17,516	241
43347	Lacerta	8		3	21.20	2,391	43	49	57.5	17,517	363
43348	Aquarius	7½		3	21.48	3,310	110	13	43.2	17,517	179
43349	Lacerta	7		3	24.31	2,298	40	9	40.8	17,519	369
43350	Aquarius	9		3	24.73	3,333	112	1	3.0	17,520	180
43351	Aquarius	9		3	25.70	3,332	111	55	37.1	17,520	180
43352	Lacerta	9		3	25.86	2,253	38	34	22.2	17,520	303
43353	Aquarius	7		3	26.26	3,132	95	26	2.0	17,521	100
43354	Pegasus	9		3	26.40	2,985	82	33	27.7	17,521	102
43355	Pegasus	6		3	35.64	2,867	72	42	6.0	17,527	34
43356	Aquarius	8½		3	35.96	3,071	90	6	24.0	17,528	118
43357	Pegasus	9		3	36.07	2,634	56	12	20.3	17,528	302
43358	Pegasus	9		3	38.22	2,935	78	15	44.9	17,529	38
43359	Aquarius	8		3	38.39	3,063	89	22	24.3	17,529	105
43360	Cepheus.....	8½	22	3	40.82	+2,257	38	40	10.3	-17,531	303

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43361	Pegasus	8½	22	3	45.25	+2,993	83	16	4.1	-17,534	102
43362	Pegasus	8½		3	45.82	2,993	83	16	14.0	17,534	107
43363	Aquarius	7½		3	47.32	3,265	106	46	57.7	17,536	178
43364	Aquarius	6½		3	47.41	3,266	106	47	3.9	17,536	185
43365	Aquarius	8		3	47.83	3,222	103	14	25.8	17,536	181
43366	Aquarius	8½		3	47.85	3,222	103	14	22.2	17,536	115
43367	Aquarius	8		3	47.90	3,257	106	4	57.9	17,536	178
43368	Aquarius	7½		3	47.98	3,257	106	4	54.1	17,536	185
43369	Pegasus	9½		3	50.32	2,935	78	16	47.8	17,537	38
43370	Pegasus	9		3	53.48	3,018	85	29	7.3	17,540	108
43371	Aquarius	8½		3	53.85	3,264	106	41	14.4	17,540	185
43372	Pegasus	5½		3	57.03	2,768	65	2	6.3	17,542	26
43373	Pegasus	7½		3	57.07	2,768	65	2	6.8	17,542	201
43374	Pegasus	5		3	57.55	2,638	56	22	35.0	17,543	20
43375	Pegasus	5		3	57.65	2,638	56	22	36.5	17,543	302
43376	Lacerta	7		3	59.66	2,396	43	53	15.9	17,544	241
43377	Lacerta	7½		3	59.94	2,396	43	53	31.3	17,544	363
43378	Pegasus	8		4	0.28	3,015	85	12	20.7	17,544	108
43379	Pegasus	8½		4	0.38	3,015	85	12	21.9	17,545	117
43380	Cepheus	7½		4	4.25	2,256	38	33	3.1	17,547	303
43381	Aquarius	9		4	4.61	3,317	110	52	57.0	17,548	179
43382	Aquarius	8½		4	7.26	3,080	90	56	11.4	17,550	118
43383	Pegasus	7		4	9.71	2,655	57	23	10.4	17,551	21
43384	Aquarius	8		4	12.67	3,154	97	23	6.4	17,553	197
43385	Lacerta	9		4	15.24	2,344	41	43	31.0	17,555	363
43386	Aquarius	7½		4	18.30	3,148	96	51	56.4	17,558	100
43387	Aquarius	8		4	23.66	3,157	97	43	16.4	17,561	197
43388	Aquarius	9		4	24.51	3,183	99	57	35.2	17,562	113
43389	Pegasus	9½		4	25.26	2,957	80	8	3.0	17,562	40
43390	Pegasus	6		4	29.25	2,732	62	22	33.2	17,565	243
43391	Pegasus	5		4	29.43	2,732	62	25	38.2	17,565	24
43392	Pegasus	6½		4	30.75	2,990	83	0	30.3	17,566	102
43393	Pegasus	6½		4	31.00	2,990	83	0	33.2	17,566	107
43394	Aquarius	8½		4	36.49	3,334	112	15	50.1	17,570	180
43395	Cepheus	8		4	38.63	0,856	16	14	37.9	17,572	364
43396	Pegasus	8		4	40.53	3,033	86	42	15.1	17,573	117
43397	Pegasus	7		4	42.58	2,882	72	47	26.9	17,574	37
43398	Aquarius	8		4	43.78	3,104	93	2	45.0	17,575	183
43399	Pegasus	8½		4	44.81	2,872	72	57	57.9	17,576	34
43400	Aquarius	7½	22	4	45.19	+3,144	96	34	8.3	-17,576	100

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43401	Aquarius	7½	22	4	58.68	+3,356	113	59	58.1	-17,586	570
43402	Aquarius		5	0.59	3,186	99	23	6.8	17,587	113
43403	Lacerta	9		5	1.90	2,346	41	36	56.5	17,588	363
43404	Pegasus	8½		5	3.13	2,724	61	45	0.4	17,589	243
43405	Pegasus	8½		5	14.25	2,665	57	45	38.2	17,597	21
43406	Pegasus	8		5	14.47	3,002	83	57	29.2	17,597	107
43407	Pegasus	9½		5	15.30	3,021	85	41	10.4	17,597	108
43408	Lacerta	5		5	18.33	2,555	51	16	20.4	17,600	5
43409	Lacerta	5		5	18.71	2,555	51	16	20.4	17,600	15
43410	Piscis Aust. . .	6		5	21.50	3,395	116	53	12.6	17,602	181
43411	Piscis Aust. . .	6		5	21.70	3,395	116	53	9.8	17,602	569
43412	Aquarius	9		5	22.16	3,280	108	11	40.1	17,602	186
43413	Aquarius	8		5	22.79	3,311	110	38	52.9	17,603	179
43414	Lacerta . . . . .	.		5	22.83	2,478	47	19	38.9	17,603	3
43415	Aquarius	8		5	23.00	3,059	89	2	22.4	17,603	110
43416	Aquarius	8		5	23.46	3,059	89	2	17.9	17,603	184
43417	Pegasus	7		5	23.68	2,817	68	27	45.5	17,603	31
43418	Lacerta	9		5	25.40	2,344	41	36	38.3	17,604	363
43419	Pegasus	8		5	27.68	2,793	66	40	25.1	17,606	201
43420	Pegasus	7½		5	28.01	2,720	61	24	51.1	17,606	244
43421	Pegasus	7½		5	28.50	2,721	61	24	50.6	17,607	24
43422	Pegasus	8		5	32.78	3,033	86	42	56.9	17,610	117
43423	Pegasus	9		5	33.50	3,021	85	40	48.3	17,610	108
43424	Pegasus	8½		5	33.95	2,833	69	42	30.4	17,611	32
43425	Pegasus	8		5	35.64	2,691	59	25	49.4	17,612	23
43426	Aquarius	9		5	35.75	3,111	93	43	55.4	17,612	182
43427	Lacerta	6		5	36.76	2,442	45	32	44.4	17,613	241
43428	Lacerta	6		5	37.09	2,445	45	42	51.3	17,613	1
43429	Lacerta	8		5	37.86	2,608	54	9	19.5	17,614	17
43430	Aquarius	11		5	38.45	3,241	105	1	57.1	17,614	181
43431	Pegasus	8		5	40.51	2,673	58	10	35.6	17,615	21
43432	Lacerta	8		5	43.61	2,347	41	31	5.2	17,617	363
43433	Lacerta	10		5	44.88	2,296	39	33	13.2	17,618	369
43434	Aquarius	6½		5	50.50	3,356	114	7	42.5	17,622	570
43435	Pegasus	8		5	52.20	2,867	72	23	7.9	17,623	34
43436	Aquarius	7½		5	53.41	3,315	111	0	46.6	17,624	179
43437	Aquarius	8		5	54.07	3,315	111	0	45.3	17,625	180
43438	Pegasus	11		5	57.20	3,044	87	44	35.1	17,627	184
43439	Piscis Aust. . .	6½		5	57.95	3,414	118	22	34.4	17,627	569
43440	Aquarius	8½	22	5	58.07	+3,269	107	22	26.9	-17,628	185

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43441	Lacerta	9	22 5 58,96	+2,265	39 25 21,8	-17,628	303
43442	Pegasus	8	6 0,18	2,620	54 49 57,2	17,629	17
43443	Pegasus	6½	6 2,19	2,985	82 26 20,7	17,630	102
43444	Cepheus.....	8	6 3,37	2,271	38 35 39,8	17,631	303
43445	Aquarius	9	6 3,65	3,200	101 30 31,4	17,631	115
43446	Aquarius	7½	6 3,89	3,213	102 38 15,3	17,631	571
43447	Aquarius	5½	6 4,34	3,227	103 49 21,2	17,632	181
43448	Lacerta .....	.	6 7,18	2,482	47 19 36,7	17,634	18
43449	Pegasus	9	6 7,22	2,905	75 32 59,5	17,634	37
43450	Pegasus	8½	6 10,73	2,948	79 13 50,2	17,636	40
43451	Pegasus	9	6 11,73	2,948	79 11 39,1	17,637	40
43452	Aquarius	6½	6 15,72	3,098	92 35 8,6	17,640	183
43453	Aquarius .. 0	5	6 16,60	3,168	98 46 23,2	17,640	197
43454	Aquarius	6	6 18,34	3,182	100 1 53,0	17,641	572
43455	Aquarius	6	6 18,42	3,182	100 1 53,0	17,641	191
43456	Aquarius	7	6 18,44	3,182	100 1 53,0	17,642	113
43457	Lacerta	5½	6 20,54	2,497	48 2 1,2	17,643	3
43458	Lacerta	6	6 21,68	2,497	48 2 3,4	17,644	18
43459	Aquarius	8	6 23,72	3,354	114 6 20,3	17,645	570
43460	Aquarius	8	6 23,98	3,059	89 2 17,8	17,645	105
43461	Pegasus	9	6 24,48	2,899	74 58 3,6	17,646	37
43462	Pegasus	7½	6 34,17	2,911	75 56 34,8	17,652	37
43463	Aquarius	7½	6 36,09	3,263	106 58 18,7	17,654	185
43464	Pegasus .....	.	6 36,75	3,019	85 27 44,5	17,654	108
43465	Lacerta	8½	6 39,05	2,560	51 12 54,9	17,656	5
43466	Lacerta	7½	6 39,18	2,560	51 12 54,8	17,656	15
43467	Aquarius	5	6 39,62	3,134	96 22 46,2	17,656	100
43468	Lacerta	7	6 44,35	2,483	47 12 55,2	17,660	3
43469	Pegasus	8½	6 44,79	3,047	87 57 13,3	17,660	184
43470	Lacerta	9	6 45,19	2,483	47 12 52,3	17,660	2
43471	Lacerta	6½	6 45,21	2,483	47 12 55,3	17,660	18
43472	Cepheus.....	8	6 46,31	2,259	38 2 57,2	17,661	303
43473	Pegasus	9	6 46,46	2,793	66 27 1,6	17,661	201
43474	Pegasus	8	6 47,05	2,699	59 40 30,3	17,661	23
43475	Pegasus	8½	6 47,29	2,794	66 30 10,6	17,662	201
43476	Lacerta	9	6 49,18	2,347	41 38 9,7	17,663	363
43477	Lacerta	8	6 51,70	2,596	53 14 42,9	17,665	17
43478	Pegasus	7½	6 52,41	2,936	78 4 16,7	17,665	38
43479	Pegasus	8	6 53,18	2,633	55 25 30,8	17,666	20
43480	Pegasus	8	22 6 53,49	+2,633	55 25 36,1	-17,666	302

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			h	m	s		°	'	"		
43481	Aquarius	8½	22	6	55.22	+3,219	103	13	47.6	-17,667	571
43482	Pegasus	8		7	3.65	2,798	66	47	46.9	17,673	201
43483	Aquarius	8		7	4.83	3,342	113	17	23.4	17,674	180
43484	Pegasus . . . . .	.		7	8.31	2,988	82	37	0.9	17,676	102
43485	Lacerta	7		7	9.28	2,485	47	14	36.2	17,677	2
43486	Lacerta	7		7	9.71	2,485	47	14	35.2	17,677	18
43487	Pegasus	8		7	10.87	2,718	60	56	26.8	17,678	23
43488	Aquarius	9		7	12.27	3,189	100	44	3.5	17,679	572
43489	Aquarius	9½		7	12.28	3,189	100	43	57.3	17,679	191
43490	Aquarius	9		7	12.83	3,189	100	43	58.3	17,679	113
43491	Piscis Aust. . .	8½		7	14.33	3,421	119	6	37.9	17,681	569
43492	Pegasus	7		7	15.14	2,937	78	5	53.6	17,681	38
43493	Lacerta	5		7	15.42	2,598	53	14	30.9	17,681	15
43494	Lacerta	5		7	15.74	2,598	53	14	31.8	17,681	17
43495	Pegasus	7		7	16.02	2,816	68	5	36.4	17,681	31
43496	Lacerta	5		7	16.12	2,598	53	14	33.8	17,682	125
43497	Pegasus	5½		7	18.05	2,750	63	11	16.5	17,683	24
43498	Lacerta	10		7	19.44	2,304	39	30	15.4	17,684	369
43499	Aquarius	7½		7	20.29	3,355	114	19	22.8	17,684	570
43500	Aquarius	8½		7	24.19	3,325	111	59	40.0	17,687	180
43501	Pegasus	8		7	24.86	3,024	85	50	50.1	17,687	108
43502	Pegasus	8		7	24.90	3,024	85	50	54.0	17,687	117
43503	Pegasus	9		7	24.95	3,007	82	49	9.1	17,687	102
43504	Lacerta . . . . .	.		7	29.25	2,483	47	3	27.9	17,691	18
43505	Lacerta	7		7	29.50	2,484	47	5	27.9	17,691	2
43506	Pegasus	6½		7	30.16	2,732	61	49	10.3	17,691	244
43507	Aquarius	9		7	30.44	3,263	107	1	45.7	17,691	185
43508	Pegasus	7		7	30.48	2,732	61	49	11.4	17,691	24
43509	Pegasus	7		7	31.72	2,681	58	22	16.2	17,692	21
43510	Aquarius	7		7	33.17	3,321	111	43	58.4	17,693	349
43511	Aquarius	9		7	33.45	3,315	111	15	29.1	17,693	179
43512	Aquarius	7		7	33.65	3,321	111	43	53.6	17,693	180
43513	Pegasus	8		7	40.64	2,652	56	28	10.8	17,698	20
43514	Pegasus	8		7	40.81	2,652	56	28	7.0	17,698	302
43515	Aquarius	9		7	42.58	3,250	106	0	25.0	17,699	185
43516	Pegasus	7		7	42.86	2,720	60	54	30.5	17,700	23
43517	Aquarius	9		7	48.44	3,314	111	13	25.8	17,704	179
43518	Aquarius	7		7	48.79	3,083	91	13	44.3	17,704	118
43519	Aquarius	9		7	53.03	3,077	90	42	40.0	17,707	102
43520	Pegasus	7	22	7	53.35	+2,717	60	40	12.1	-17,707	23

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			h	m	s	s	°	'	"
43521	Piscis Aust. ..	6½	22	8	0,04	+3,421	119	12	6,8
43522	Pegasus	9		8	0,26	2,793	66	10	51,1
43523	Pegasus	8		8	7,55	2,641	55	37	19,1
43524	Pegasus	7		8	8,63	2,772	64	36	22,3
43525	Pegasus	8		8	8,78	2,678	58	0	9,5
43526	Aquarius	8		8	11,01	3,093	92	7	8,0
43527	Aquarius	9		8	14,39	3,182	100	12	31,8
43528	Aquarius	7½		8	14,95	3,209	102	33	5,2
43529	Aquarius	8		8	15,22	3,209	102	33	7,2
43530	Aquarius	6		8	15,87	3,229	104	17	58,1
43531	Pegasus	7		8	17,43	2,926	77	2	35,7
43532	Aquarius	9		8	18,73	3,359	114	47	55,3
43533	Pegasus	6½		8	25,44	2,866	71	57	11,5
43534	Pegasus	6		8	32,92	2,766	64	3	28,5
43535	Aquarius	8		8	36,62	3,166	98	47	47,8
43536	Cepheus.....	9½		8	38,15	0,792	15	20	9,9
43537	Pegasus	7½		8	42,44	2,994	83	7	48,1
43538	Pegasus	8		8	42,58	2,994	83	7	44,5
43539	Pegasus	8		8	42,77	2,994	83	7	47,4
43540	Aquarius	7½		8	42,82	3,269	107	41	43,4
43541	Pegasus	9		8	44,29	2,967	80	38	27,2
43542	Pegasus	9		8	55,70	2,938	78	3	30,1
43543	Aquarius	8		8	56,34	3,334	113	0	49,6
43544	Aquarius	8		9	0,24	3,188	100	47	48,9
43545	Lacerta	8		9	9,43	2,584	51	58	7,8
43546*	Pegasus	8		9	11,24	2,900	74	44	16,6
43547	Pegasus	9½		9	11,78	2,965	80	28	39,9
43548	Pegasus	6½		9	13,54	2,856	71	1	50,7
43549	Pegasus	8		9	13,56	2,856	71	1	51,4
43550	Pegasus	8½		9	14,76	2,743	62	15	11,2
43551	Pegasus	8½		9	14,83	2,793	65	59	39,7
43552	Pegasus	8		9	14,84	2,743	62	15	13,3
43553	Lacerta	8		9	15,44	2,514	48	12	57,2
43554	Aquarius	8		9	25,15	3,125	95	3	33,2
43555	Aquarius	7½		9	25,94	3,125	95	3	44,2
43556	Pegasus	8		9	26,29	2,783	65	13	20,9
43557	Pegasus	8		9	27,98	2,865	71	42	34,0
43558	Pegasus	8		9	29,28	2,686	58	13	22,3
43559	Lacerta	8		9	29,91	2,378	41	52	6,8
43560	Aquarius	8	22	9	34,32	+3,215	103	13	9,7

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			h m s	s	° ' "	"	
43561	Aquarius	8	22 9 34.46	+3,215	103 13 1.7	-17,776	115
43562	Pegasus	8	9 34.70	2,944	78 31 50.4	17,776	38
43563	Pegasus	•	9 37.95	2,927	76 55 36.0	17,778	37
43564	Aquarius .. ♀	5	9 39.85	3,166	98 49 7.7	17,780	113
43565	Aquarius .. ♀	6	9 39.99	3,166	98 49 8.6	17,780	197
43566	Lacerta	9	9 40.76	2,612	53 32 54.3	17,780	17
43567	Aquarius	9	9 44.64	3,242	105 33 12.2	17,783	185
43568	Pegasus	7½	9 53.87	2,759	63 18 53.0	17,789	26
43569	Pegasus	7	9 55.63	2,743	62 9 9.9	17,790	24
43570	Pegasus	7	9 55.74	2,743	62 9 3.0	17,790	244
43571	Aquarius	8	9 55.84	3,050	88 12 52.2	17,790	184
43572	Aquarius	8½	9 55.94	3,050	88 12 52.3	17,790	110
43573	Pegasus	8	10 5.29	2,845	69 58 23.2	17,797	32
43574	Aquarius	9	10 5.74	3,327	112 37 51.5	17,797	180
43575	Pegasus	8	10 5.95	2,945	78 32 45.3	17,797	39
43576	Lacerta	6	10 10.37	2,609	53 13 50.9	17,800	15
43577	Lacerta	6	10 10.84	2,609	53 13 45.7	17,800	17
43578	Pegasus	7	10 14.75	2,677	57 29 3.2	17,803	21
43579	Aquarius	7	10 17.32	3,176	99 45 47.4	17,805	572
43580	Aquarius	8	10 17.33	3,176	99 45 46.1	17,805	191
43581	Pegasus	5½	10 23.40	3,018	85 12 31.6	17,809	107
43582	Pegasus	5½	10 23.99	3,018	85 12 37.2	17,809	117
43583	Pegasus	5½	10 24.01	3,018	85 12 35.0	17,809	108
43584	Pegasus	7½	10 25.18	2,662	56 27 21.7	17,810	302
43585	Aquarius	8	10 25.56	3,074	90 27 13.0	17,810	118
43586	Lacerta	8½	10 30.25	2,413	43 6 3.6	17,814	241
43587	Aquarius	5½	10 33.44	3,327	112 45 37.6	17,816	180
43588	Aquarius	5½	10 33.61	3,325	112 35 39.1	17,816	570
43589	Aquarius	5½	10 33.68	3,325	112 35 35.9	17,816	349
43590	Pegasus	8	10 34.98	2,787	65 16 24.7	17,816	201
43591	Pegasus	9	10 42.11	2,745	62 8 22.8	17,821	244
43592	Aquarius	8	10 43.94	3,374	116 21 57.3	17,823	181
43593	Lacerta	8	10 45.88	2,460	45 11 44.6	17,824	2
43594	Lacerta	7½	10 47.83	2,456	44 59 34.4	17,825	2
43595	Lacerta	8	10 47.86	2,456	44 59 40.3	17,825	363
43596	Aquarius	8½	10 48.34	3,239	105 27 29.5	17,825	185
43597	Aquarius	8	10 51.39	3,069	89 57 39.9	17,828	118
43598	Aquarius	8	10 55.66	3,148	97 14 41.6	17,830	197
43599	Cepheus.....	7½	10 55.67	2,295	38 20 28.9	17,830	303
43600	Pegasus	6½	22 10 55.94	+2,928	76 57 56.8	-17,830	37

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			h m s	s	° ' "	"	
43601	Aquarius	7	22 10 55.94	+3,148	97 14 35.9	-17,830	100
43602	Pegasus	6½	10 56.20	2,992	82 48 55.2	17,831	102
43603	Pegasus	6	10 56.33	2,992	82 48 52.4	17,831	304
43604	Pegasus	9	10 59.51	2,904	74 50 2.1	17,833	37
43605	Pegasus	8	11 1.71	2,737	61 28 56.0	17,834	244
43606	Aquarius	8	11 4.04	+3,298	110 26 2.3	17,836	179
43607	Cepheus	9	11 10.30	-1,108	8 19 35.1	17,840	351
43608	Pegasus	8½	11 13.76	+3,019	85 16 14.6	17,842	107
43609	Pegasus	9	11 14.12	3,019	85 16 11.9	17,843	108
43610	Pegasus	8½	11 14.35	3,019	85 16 17.1	17,843	117
43611	Aquarius	9	11 17.28	3,184	100 36 38.5	17,845	572
43612	Aquarius	9½	11 17.43	3,184	100 36 36.0	17,845	191
43613	Pegasus	10	11 17.75	2,963	80 6 28.8	17,845	40
43614	Aquarius	7½	11 18.41	3,147	97 10 41.6	17,846	100
43615	Aquarius	8	11 18.55	3,147	97 10 59.4	17,846	197
43616	Aquarius .. γ	3	11 18.92	3,095	92 23 17.5	17,846	182
43617	Aquarius .. γ	3	11 19.50	3,095	92 23 22.0	17,846	183
43618	Pegasus	8½	11 21.45	3,045	87 43 5.8	17,848	184
43619	Cepheus	9	11 22.19	2,298	38 19 33.9	17,848	304
43620	Pegasus	8½	11 23.32	2,799	66 2 35.3	17,849	201
43621	Pegasus	8	11 23.37	2,988	82 22 40.8	17,849	304
43622	Aquarius	8	11 27.02	3,073	90 21 26.6	17,851	118
43623	Pegasus . . . . .	.	11 33.51	2,884	73 1 43.9	17,856	34
43624	Aquarius	8	11 34.10	3,197	101 50 55.7	17,856	115
43625	Aquarius	9	11 34.20	3,250	106 27 19.8	17,856	185
43626	Aquarius	8	11 34.26	3,197	101 50 55.6	17,856	571
43627	Aquarius	8½	11 36.90	3,151	97 34 15.4	17,858	197
43628	Pegasus	8	11 37.90	2,659	55 58 59.0	17,859	302
43629	Pegasus	6	11 40.49	2,949	78 47 46.3	17,861	39
43630	Lacerta	7	11 41.37	2,622	53 42 1.9	17,861	17
43631	Aquarius	9	11 42.65	3,295	110 21 11.5	17,862	179
43632	Pegasus	5½	11 43.20	2,774	64 3 56.4	17,862	26
43633	Lacerta	8	11 49.40	2,430	43 31 31.8	17,866	241
43634	Pegasus . . . . .	.	11 56.13	2,848	69 57 18.7	17,871	32
43635	Pegasus	7½	11 56.46	2,715	59 41 25.6	17,871	23
43636	Piscis Aust. ..	8	11 56.70	3,377	116 50 20.8	17,871	181
43637	Cepheus	8	12 1.86	2,296	38 7 10.5	17,874	304
43638	Pegasus	8	12 1.06	2,977	81 18 13.1	17,874	304
43639	Pegasus	5½	12 5.46	2,756	62 40 18.2	17,877	244
43640	Pegasus	4½	22 12 6.03	+2,756	62 40 18.0	-17,877	24

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43641	Pegasus	8	22 12 9.02	+2,995	82 59 23.1	-17,879	102
43642	Pegasus	8½	12 9.56	2,811	66 55 52.0	17,879	201
43643	Aquarius	9	12 10.41	3,201	102 14 29.2	17,880	571
43644	Cepheus	9	12 15.16	2,298	38 7 43.5	17,883	304
43645	Aquarius	6	12 20.34	3,362	115 46 1.3	17,887	570
43646	Cepheus	9	12 20.94	1,050	16 41 12.7	17,887	364
43647	Pegasus	9	12 21.77	2,967	80 21 52.9	17,887	40
43648	Pegasus	7½	12 21.96	2,911	75 21 3.4	17,888	37
43649	Lacerta	9	12 28.68	2,551	49 24 10.9	17,892	5
43650	Pegasus	7½	12 31.77	3,012	84 31 47.6	17,894	107
43651	Aquarius	8½	12 32.38	3,305	111 19 1.8	17,895	179
43652	Aquarius	8	12 32.57	3,309	111 37 12.7	17,895	180
43653	Cepheus	8	12 32.96	1,141	17 23 41.5	17,895	364
43654	Aquarius	8	12 34.96	3,242	105 56 47.8	17,896	185
43655	Lacerta	8	12 35.39	2,464	44 56 19.7	17,897	2
43656	Lacerta	8	12 35.74	2,464	44 56 11.4	17,897	363
43657	Lacerta	8	12 36.63	2,394	41 47 45.2	17,897	363
43658	Pegasus	8½	12 38.62	2,975	81 3 49.9	17,899	303
43659	Pegasus	7½	12 38.79	2,975	81 3 39.8	17,899	304
43660	Pegasus	7½	12 43.32	2,926	76 37 48.9	17,902	37
43661	Lacerta	8½	12 45.70	2,351	40 1 13.4	17,903	369
43662	Aquarius	8½	12 46.57	3,309	111 37 15.2	17,904	349
43663	Aquarius	7	12 47.04	3,321	112 36 13.8	17,904	180
43664	Lacerta	5½	12 47.16	2,455	44 27 56.6	17,904	241
43665	Lacerta	8	12 48.45	2,549	49 12 27.6	17,905	3
43666	Pegasus	8	12 50.82	3,021	85 21 18.7	17,907	108
43667	Piscis Aust. ..	8½	12 53.08	3,382	117 22 25.2	17,908	181
43668	Piscis Aust. ..	7½	12 53.21	3,382	117 22 46.6	17,908	569
43669	Lacerta	9	13 2.98	2,641	54 32 47.4	17,915	17
43670	Aquarius	6½	13 4.48	3,156	98 12 2.2	17,916	197
43671	Pegasus	8	13 8.70	2,980	81 32 46.9	17,918	102
43672	Pegasus	7½	13 8.99	2,980	81 32 45.4	17,918	304
43673	Pegasus	8	13 10.81	3,020	85 21 21.8	17,920	117
43674	Aquarius	9	13 12.15	3,183	100 41 40.8	17,921	572
43675	Aquarius	7½	13 13.16	3,104	93 18 18.1	17,921	183
43676	Aquarius	7	13 13.23	3,104	93 18 15.7	17,921	182
43677	Aquarius	7½	13 13.45	3,074	90 23 50.3	17,922	118
43678	Aquarius	8½	13 14.59	3,304	111 18 57.9	17,922	180
43679	Aquarius	7	13 15.20	3,320	112 36 13.9	17,923	349
43680	Lacerta	7½	22 13 15.37	+2,572	50 20 14.5	-17,923	5

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			h	m	s		°	'	"		
43681	Pegasus	22	13	15.72	+2,944	78	13	21.1	-17,923	39
43682	Pegasus	8		13	18.42	2,874	71	57	40.3	17,925	34
43683	Lacerta	5½		13	18.71	2,546	48	55	29.2	17,925	3
43684	Lacerta .....	.		13	18.82	2,546	48	55	31.9	17,925	18
43685	Cepheus.....	9		13	23.69	1,095	16	53	44.5	17,928	364
43686	Pegasus .....	.		13	24.16	2,732	60	38	47.2	17,928	23
43687	Pegasus	8		13	28.27	3,012	84	27	47.2	17,931	107
43688	Aquarius	8½		13	28.30	3,199	102	11	29.1	17,931	571
43689	Aquarius	7½		13	28.31	3,341	114	22	30.9	17,931	570
43690	Aquarius	8½		13	28.84	3,074	90	26	53.3	17,932	118
43691	Aquarius	8½		13	31.46	3,109	93	45	44.8	17,933	182
43692	Aquarius	7		13	31.76	3,188	101	12	8.6	17,933	572
43693	Pegasus	8		13	31.90	2,727	60	15	36.7	17,934	23
43694	Aquarius	7½		13	32.40	3,188	101	12	8.8	17,934	191
43695	Piscis Aust. ..	7		13	33.30	3,386	117	51	55.6	17,935	569
43696	Lacerta	6		13	33.44	2,516	47	15	34.0	17,935	18
43697	Pegasus	8½		13	34.40	2,982	81	42	42.6	17,935	304
43698	Pegasus	8½		13	34.42	2,982	81	42	43.2	17,935	102
43699	Aquarius	5½		13	41.41	3,131	95	50	32.8	17,940	100
43700	Aquarius	8		13	41.73	3,271	108	34	55.6	17,940	194
43701	Aquarius	6		13	43.51	3,225	104	32	15.3	17,941	181
43702	Pegasus	8½		13	47.70	2,963	79	53	16.0	17,944	303
43703	Pegasus	9		13	47.73	2,963	79	53	7.9	17,944	40
43704	Pegasus	8		13	48.69	2,891	73	20	55.7	17,945	37
43705	Pegasus	8		13	49.89	2,688	57	24	30.9	17,945	21
43706	Pegasus	7½		13	50.07	2,688	57	24	33.2	17,945	302
43707	Aquarius	7		13	50.75	3,102	93	4	0.9	17,946	182
43708	Aquarius	7½		13	51.00	3,102	93	4	3.3	17,946	183
43709	Lacerta	9		13	51.01	2,643	54	29	35.0	17,946	17
43710	Aquarius	8		13	51.31	3,221	104	11	27.5	17,946	181
43711	Pegasus	9		13	52.18	2,686	57	17	27.1	17,947	302
43712	Lacerta	9		13	52.53	2,410	42	9	24.1	17,947	363
43713	Aquarius	9		13	52.95	3,184	100	48	24.2	17,947	191
43714	Aquarius	8½		13	53.21	3,184	100	48	21.3	17,947	572
43715	Aquarius	7½		13	53.33	3,198	102	9	44.0	17,948	571
43716	Pegasus	8½		13	57.50	3,015	84	48	1.8	17,950	107
43717	Lacerta	6½		13	59.03	2,642	54	20	59.9	17,952	17
43718	Lacerta	6½		13	59.18	2,642	54	21	1.2	17,952	125
43719	Aquarius	8		14	1.75	3,218	103	57	50.4	17,953	181
43720	Pegasus	6	22	14	2.85	+2,854	70	9	25.2	-17,954	32

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43721	Pegasus	9½	22	14	2,99	+2,854	70	8	33,2
43722	Pegasus	8½		14	4,49	2,874	71	48	58,9
43723	Lacerta .....	.		14	6,57	2,485	45	34	15,7
43724	Aquarius	9		14	8,80	3,179	100	26	4,9
43725	Aquarius	8½		14	10,64	3,192	102	23	44,9
43726	Pegasus	8½		14	11,25	2,746	61	28	31,4
43727	Pegasus	8½		14	11,83	2,746	61	28	31,8
43728	Lacerta	9		14	12,75	2,412	42	9	58,9
43729	Pegasus	7		14	15,90	2,918	75	43	29,5
43730	Aquarius	7		14	16,39	3,092	92	11	46,0
43731	Pegasus	9		14	18,80	3,040	87	11	8,2
43732	Pegasus	8		14	19,37	3,040	87	11	10,0
43733	Pegasus	8		14	29,55	2,734	60	33	50,8
43734	Pegasus	8		14	42,53	2,908	74	44	35,9
43735	Aquarius	8		14	44,74	3,246	106	36	32,1
43736	Pegasus	7		14	47,59	2,978	81	11	56,8
43737	Pegasus	7½		14	47,59	2,978	81	12	6,9
43738	Pegasus	8½		14	47,83	2,978	81	11	53,3
43739	Lacerta	9		14	49,71	2,463	44	18	20,7
43740	Aquarius	8		14	50,98	3,205	102	54	54,1
43741	Aquarius	9½		14	51,19	3,300	111	14	49,8
43742	Aquarius	7		14	51,28	3,300	111	14	45,0
43743	Aquarius	8		14	51,29	3,300	111	14	47,8
43744	Pegasus	9		14	51,87	3,041	87	12	9,9
43745	Lacerta	8		14	52,41	2,554	48	56	57,4
43746	Lacerta	8		14	52,47	2,554	48	56	53,6
43747	Pegasus	7½		14	52,76	2,989	82	16	18,0
43748	Pegasus	7		14	52,81	2,989	82	16	14,3
43749	Aquarius	8		14	58,15	3,243	106	21	58,8
43750	Piscis Aust. ..	7		15	0,10	3,398	119	1	17,1
43751	Lacerta .....	.		15	3,46	2,615	52	26	29,3
43752	Aquarius .. π	5		15	3,63	3,066	89	37	53,1
43753	Aquarius .. π	5½		15	4,06	3,066	89	37	53,3
43754	Aquarius	7		15	4,29	3,156	98	21	21,2
43755	Pegasus	9		15	6,44	2,677	56	24	21,1
43756	Pegasus	8		15	7,45	2,879	72	9	11,0
43757	Pegasus	9		15	7,73	3,009	84	8	59,1
43758	Lacerta .....	.		15	12,13	2,493	45	39	34,4
43759	Lacerta		15	12,63	2,493	45	39	34,4
43760	Pegasus	9	22	15	12,96	+2,989	82	12	30,7

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43761	Aquarius	7	22 15 17,53	+3,258	107 45 4,5	-18,002	186
43762	Lacerta	9	15 17,71	2,480	45 0 59,8	18,002	241
43763	Pegasus	9	15 17,76	2,786	64 17 31,5	18,002	26
43764	Aquarius	9½	15 20,01	3,173	99 58 12,0	18,004	191
43765	Pegasus	9	15 21,77	3,031	86 15 46,8	18,005	117
43766	Pegasus	•	15 21,82	3,031	86 15 46,0	18,005	108
43767	Aquarius	9	15 25,09	3,273	109 0 53,6	18,007	186
43768	Pegasus	8½	15 27,24	2,960	79 29 6,1	18,008	303
43769	Aquarius	9	15 27,51	3,214	103 48 33,4	18,009	181
43770	Lacerta	8	15 30,66	2,529	47 27 35,5	18,011	18
43771	Aquarius	8	15 32,89	3,206	103 3 35,8	18,012	571
43772*	Pegasus	9	15 34,76	2,761	62 19 18,1	18,013	244
43773	Pegasus	9	15 39,45	2,679	56 23 20,9	18,016	302
43774	Lacerta	9	15 39,94	2,426	42 24 45,6	18,016	363
43775	Pegasus	8½	15 39,96	2,845	69 8 8,6	18,016	32
43776	Aquarius	7½	15 40,55	3,258	107 45 8,0	18,017	194
43777	Aquarius	8	15 40,66	3,133	96 11 21,2	18,017	188
43778	Aquarius	6½	15 41,26	3,258	107 45 12,1	18,017	194
43779	Aquarius	7½	15 41,55	3,133	96 11 15,4	18,018	100
43780	Aquarius	7	15 42,32	3,258	107 45 12,5	18,018	186
43781	Lacerta.... β	5½	15 43,45	2,338	38 46 8,7	18,019	304
43782	Pegasus	7	15 43,75	2,788	64 23 51,5	18,019	26
43783	Cepheus.....	7	15 50,24	0,802	14 30 57,5	18,023	364
43784	Aquarius	9½	15 52,02	3,060	89 2 5,8	18,024	184
43785	Aquarius	7½	15 53,67	3,109	93 47 37,5	18,025	182
43786	Pegasus	7	15 58,04	2,706	58 13 9,2	18,028	21
43787	Lacerta	9	15 59,83	2,573	49 42 14,9	18,029	5
43788	Pegasus	7½	15 59,99	2,838	68 26 4,0	18,029	31
43789	Pegasus	6	16 1,91	2,886	72 34 2,2	18,031	34
43790	Aquarius	7	16 3,73	3,197	102 14 19,2	18,032	115
43791	Aquarius	6½	16 3,75	3,197	102 14 24,5	18,032	571
43792	Lacerta	9	16 5,24	2,423	42 11 20,1	18,033	363
43793	Aquarius	9	16 9,24	3,287	110 21 0,8	18,035	179
43794	Aquarius	8½	16 10,79	3,198	102 20 39,6	18,036	115
43795	Aquarius	9	16 11,16	3,198	102 21 45,0	18,036	571
43796	Aquarius	8	16 12,73	3,060	89 2 28,7	18,038	110
43797	Lacerta	9	16 12,86	2,576	49 51 33,0	18,038	5
43798	Aquarius	9	16 12,94	3,086	91 34 39,1	18,038	183
43799	Aquarius	8	16 13,04	3,060	89 2 29,7	18,038	184
43800	Aquarius	9	22 16 14,70	+3,168	99 31 24,0	-18,039	572

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			h m s	s	° ' "	"	
43801	Aquarius	9	22 16 14.94	+3,168	99 31 24.2	-18,039	191
43802	Pegasus	9½	16 15.80	2,820	66 54 43.6	18,040	198
43803	Cepheus	8	16 16.09	0,886	14 59 29.9	18,040	364
43804	Aquarius	9	16 18.26	3,288	110 27 14.5	18,041	179
43805	Pegasus	7	16 19.13	2,999	83 6 20.4	18,041	304
43806	Pegasus	7½	16 19.31	2,999	83 6 22.3	18,042	103
43807	Pegasus	8	16 19.44	2,999	83 6 20.4	18,042	107
43808	Lacerta	6	16 25.39	2,410	41 31 59.2	18,046	369
43809	Pegasus	6	16 25.95	3,035	86 37 14.5	18,046	108
43810	Pegasus	7	16 26.45	3,035	86 37 16.1	18,046	117
43811	Piscis Aust. . .	6½	16 28.37	3,373	117 25 49.7	18,048	569
43812	Piscis Aust. . .	7	16 28.60	3,374	117 31 22.9	18,048	181
43813	Pegasus	9	16 33.74	2,961	79 26 25.0	18,051	303
43814	Pegasus	9	16 34.20	2,963	79 37 49.7	18,051	40
43815	Pegasus	8½	16 34.23	2,963	79 38 3.2	18,051	303
43816	Lacerta	8	16 37.53	2,563	48 58 45.9	18,053	3
43817	Lacerta	8½	16 37.56	2,491	45 13 35.6	18,053	241
43818	Lacerta	8	16 37.97	2,563	48 58 45.0	18,053	18
43819	Lacerta . . . . .	.	16 39.84	2,516	46 28 19.5	18,055	2
43820	Pegasus	8	16 42.31	2,801	65 13 11.2	18,056	26
43821	Aquarius	7	16 47.69	3,093	92 19 17.9	18,060	183
43822	Aquarius	8½	16 48.08	3,207	103 17 3.7	18,060	181
43823	Pegasus	8½	16 50.98	2,683	56 21 47.7	18,062	302
43824	Pegasus	7½	16 52.15	2,767	62 29 40.1	18,063	244
43825	Pegasus	7	16 52.19	2,767	62 29 37.1	18,063	24
43826	Lacerta	9	16 57.24	2,489	45 1 35.4	18,066	241
43827	Aquarius	9	16 57.50	3,059	88 57 9.3	18,066	184
43828	Aquarius	9	16 57.53	3,059	88 56 13.2	18,066	110
43829	Aquarius	8½	16 59.39	3,262	108 17 3.0	18,067	194
43830	Cepheus	8	16 59.99	0,883	14 52 47.5	18,068	364
43831	Aquarius	8½	17 0.05	3,262	108 17 4.7	18,068	186
43832	Lacerta	8½	17 0.87	2,349	38 52 45.6	18,068	304
43833	Aquarius	9½	17 1.69	3,207	103 17 51.8	18,068	181
43834	Pegasus	6½	17 4.65	2,800	65 5 1.0	18,071	26
43835	Lacerta	9	17 9.83	2,467	43 54 25.3	18,074	363
43836	Pegasus	7½	17 12.47	2,989	82 5 13.8	18,075	103
43837	Pegasus	7½	17 12.61	2,989	82 5 13.9	18,075	304
43838	Pegasus	9½	17 14.21	2,965	79 43 46.6	18,077	40
43839	Pegasus	8½	17 14.55	2,965	79 43 59.4	18,077	303
43840	Pegasus	8	22 17 15.45	+2,838	68 11 55.5	-18,077	31

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			h m s	s	° ' "	"	
43841	Pegasus	8	22 17 15.89	+2,849	69° 8' 38.1	-18,078	32
43842	Pegasus	9	17 21.18	2,700	57 28 34.9	18,081	302
43843	Lacerta	10	17 22.42	2,394	40 36 37.0	18,082	369
43844	Aquarius	8½	17 24.53	3,140	96 55 17.1	18,083	188
43845	Aquarius	8	17 28.70	3,202	102 54 19.3	18,086	571
43846	Aquarius	8	17 29.72	3,202	102 54 18.7	18,086	115
43847	Aquarius	9	17 33.04	3,140	96 57 11.2	18,088	188
43848	Lacerta	8	17 33.20	2,648	53 54 27.1	18,088	17
43849	Pegasus	8	17 35.84	3,024	85 29 22.8	18,090	108
43850	Pegasus	8	17 36.00	3,034	86 29 29.7	18,091	117
43851	Pegasus	5	17 43.79	3,032	86 18 5.5	18,095	108
43852	Pegasus	6	17 44.08	3,032	86 18 7.3	18,095	117
43853	Lacerta	8	17 46.14	2,654	54 14 57.4	18,097	17
43854	Aquarius	7½	17 47.10	3,316	113 5 11.9	18,097	570
43855	Aquarius	7½	17 47.19	3,316	113 5 11.1	18,098	349
43856	Aquarius	8	17 47.46	3,316	113 5 5.4	18,098	180
43857	Lacerta	8	17 49.04	2,347	38 34 26.1	18,098	304
43858	Pegasus	7½	17 51.20	2,738	60 3 22.1	18,100	23
43859	Lacerta	6½	17 53.91	2,644	53 34 10.4	18,102	17
43860	Pegasus	8½	17 54.87	2,741	60 16 47.4	18,102	23
43861	Pegasus	9	17 56.50	3,052	88 15 31.5	18,104	110
43862	Aquarius	8½	18 5.58	3,247	107 10 1.9	18,109	194
43863	Lacerta	8½	18 7.09	2,483	44 27 4.4	18,110	241
43864	Lacerta	9	18 7.14	2,484	44 27 11.5	18,110	363
43865	Aquarius	8	18 10.52	3,295	111 25 26.0	18,112	180
43866	Piscis Aust. ..	8½	18 11.80	3,377	118 10 26.4	18,113	569
43867	Pegasus	8	18 13.07	2,956	78 46 0.2	18,113	40
43868	Pegasus	7½	18 13.19	2,956	78 46 0.4	18,114	39
43869	Aquarius	9	18 13.90	3,199	102 42 12.7	18,114	115
43870	Aquarius	9	18 14.36	3,199	102 42 16.5	18,114	571
43871	Lacerta .....	.	18 20.21	2,611	51 20 33.7	18,118	15
43872	Lacerta	8½	18 20.67	2,611	51 20 35.5	18,118	5
43873	Aquarius	8½	18 27.14	3,181	100 57 5.1	18,123	572
43874	Aquarius	9	18 27.64	3,181	100 57 5.0	18,123	191
43875	Aquarius	7	18 29.62	3,178	100 45 11.4	18,124	572
43876	Pegasus	8	18 29.79	2,903	73 45 3.6	18,124	37
43877	Aquarius	8	18 29.82	3,178	100 45 10.2	18,124	191
43878	Aquarius .. ζ	3	18 31.67	3,080	91 2 17.3	18,125	183
43879	Aquarius .. ζ	4	18 31.82	3,080	91 2 17.2	18,126	118
43880	Piscis Aust. ..	6	22 18 32.92	+3,376	118 7 18.6	-18,126	569

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			h m s	s	° ' "	"	
43881	Pegasus	8½	22 18 35.93	+2,698	57 0 50.2	-18,128	302
43882	Pegasus	7	18 37.44	2,728	59 10 42.3	18,129	119
43883	Lacerta	8	18 37.51	2,354	38 39 18.2	18,129	304
43884	Pegasus	6	18 37.54	2,732	59 29 39.8	18,129	21
43885	Lacerta	8	18 38.66	2,502	45 13 28.5	18,130	2
43886	Lacerta	6½	18 41.59	2,610	51 12 18.4	18,131	5
43887	Lacerta	7½	18 41.84	2,610	51 12 18.5	18,132	15
43888	Aquarius	8½	18 43.74	3,177	100 40 41.1	18,133	572
43889	Aquarius	9	18 44.40	3,177	100 40 46.0	18,133	191
43890	Pegasus	8	18 47.73	2,817	66 8 44.4	18,135	198
43891	Pegasus	7	18 48.38	2,818	66 13 24.4	18,136	198
43892	Aquarius	8	18 49.04	3,335	114 52 10.8	18,136	570
43893	Pegasus	6	18 51.46	2,791	63 59 41.0	18,138	27
43894	Lacerta	8	18 53.54	2,573	49 15 6.2	18,139	18
43895	Pegasus	9	18 54.13	2,858	69 37 22.2	18,139	32
43896	Cepheus.....	9	19 1.35	0,922	14 52 25.6	18,144	364
43897	Pegasus	9	19 6.64	2,905	73 53 2.6	18,147	37
43898	Aquarius	•	19 7.40	3,198	102 43 50.5	18,148	115
43899	Aquarius	8	19 7.59	3,193	102 13 19.7	18,148	571
43900	Aquarius	8½	19 8.14	3,181	101 3 37.4	18,148	572
43901	Aquarius	9½	19 8.50	3,181	101 3 41.3	18,148	191
43902	Pegasus	6½	19 9.01	2,988	81 53 15.1	18,148	103
43903	Pegasus	6	19 9.29	2,988	81 53 12.1	18,148	304
43904	Aquarius	8½	19 9.96	3,249	107 28 57.6	18,149	194
43905	Aquarius	8½	19 10.48	3,249	107 28 53.3	18,149	186
43906	Aquarius	8	19 15.51	3,082	91 13 18.4	18,153	183
43907	Aquarius	6½	19 18.45	3,211	103 56 0.4	18,154	181
43908	Pegasus	8	19 21.33	2,795	64 17 22.2	18,156	27
43909	Lacerta	8	19 23.76	2,655	53 52 34.6	18,158	17
43910	Cepheus.....	9	19 23.85	2,340	37 54 43.2	18,158	304
43911	Aquarius	8½	19 25.84	3,198	102 43 51.6	18,159	571
43912	Pegasus	9	19 30.05	3,024	85 22 33.1	18,161	108
43913	Pegasus	8	19 31.38	3,000	83 0 49.4	18,162	107
43914	Lacerta	7	19 32.74	2,539	46 53 50.9	18,163	2
43915	Lacerta	6½	19 32.95	2,539	46 53 51.5	18,164	18
43916	Pegasus	8	19 33.37	2,859	69 37 25.0	18,164	32
43917	Aquarius	6	19 33.68	3,228	105 36 9.8	18,164	185
43918	Aquarius	8	19 37.94	3,247	107 22 1.9	18,167	194
43919	Aquarius	8	19 38.81	3,247	107 22 2.4	18,167	186
43920	Pegasus	9	22 19 39.16	+2,976	80 39 0.5	-18,167	303

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			h m s	s	° ' "	"	
43921	Lacerta	9	22 19 43.25	+2,613	51° 6' 57.0	-18,170	15
43922	Lacerta	9	19 43.30	2,383	39 31 25.0	18,170	369
43923	Aquarius	8	19 44.19	3,336	115 11 11.4	18,170	570
43924	Piscis Aust. . ζ	6½	19 44.83	3,359	117 5 15.2	18,171	181
43925	Pegasus	5	19 48.48	2,797	64 15 13.0	18,173	27
43926	Pegasus	9	19 49.01	2,759	61 13 25.9	18,173	119
43927	Pegasus	7	19 49.03	2,759	61 13 15.9	18,173	23
43928	Pegasus	8	19 49.30	2,759	61 13 19.1	18,174	244
43929	Pegasus	6	19 51.09	3,036	86 34 44.2	18,174	117
43930	Pegasus	7½	19 51.43	2,769	61 59 20.0	18,175	244
43931	Pegasus	7	19 51.86	2,769	61 59 21.6	18,175	24
43932	Lacerta	9	19 54.15	2,382	39 26 28.8	18,177	369
43933	Aquarius	8	19 54.82	3,078	90 52 49.6	18,177	118
43934	Pegasus	9	19 56.20	2,695	56 28 45.4	18,178	302
43935	Cepheus.....	8½	19 56.29	2,347	38 2 52.4	18,178	304
43936	Aquarius	9	20 1.65	3,160	99 7 55.7	18,181	197
43937	Aquarius	8	20 1.69	3,160	99 7 58.9	18,181	572
43938	Aquarius	8½	20 1.79	3,127	95 50 18.4	18,181	188
43939	Aquarius .. σ	5	20 2.92	3,187	101 41 44.9	18,182	115
43940	Aquarius .. σ	5	20 3.07	3,187	101 41 47.6	18,182	571
43941	Aquarius	8½	20 5.00	3,085	91 35 18.4	18,183	183
43942	Aquarius	8	20 8.96	3,060	88 58 29.6	18,186	110
43943	Aquarius	7½	20 9.37	3,060	88 58 27.7	18,186	184
43944	Aquarius	8	20 12.28	3,321	114 0 56.3	18,188	349
43945	Aquarius	8	20 12.51	3,321	114 0 52.6	18,188	570
43946	Aquarius	8	20 13.83	3,227	105 35 8.6	18,189	185
43947	Lacerta	9	20 15.53	2,454	42 28 36.7	18,189	363
43948	Aquarius	8½	20 16.61	3,186	101 38 42.6	18,190	115
43949	Aquarius	8	20 16.92	3,186	101 38 42.4	18,190	571
43950	Pegasus	9	20 18.57	2,758	61 1 42.7	18,192	119
43951	Pegasus	7	20 19.08	2,758	61 1 43.4	18,192	23
43952	Lacerta	9	20 24.23	2,461	42 45 57.9	18,195	363
43953	Aquarius	9	20 25.55	3,061	89 9 46.1	18,196	184
43954	Aquarius	8½	20 29.61	3,185	101 37 32.6	18,199	115
43955	Aquarius	9½	20 30.05	3,062	89 10 28.0	18,199	110
43956	Aquarius	9	20 30.05	3,062	89 10 30.1	18,199	184
43957	Pegasus	9	20 30.21	2,974	80 20 28.6	18,199	40
43958	Pegasus	7½	20 30.22	2,974	80 20 40.1	18,199	303
43959	Aquarius	8	20 30.64	3,185	101 37 22.4	18,199	571
43960	Pegasus	7	22 20 30.67	+2,721	58 11 29.7	-18,199	21

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			h m s	s	° ' "	"	
43961	Pegasus	8	22 20 32.83	+3,037	86° 41' 10.5	-18,200	108
43962	Pegasus	8	20 33.01	3,037	86 41 9.3	18,200	117
43963	Pegasus	9½	20 33.74	2,956	78 35 48.4	18,201	39
43964	Cepheus	8	20 34.76	2,354	38 9 14.4	18,202	304
43965	Pegasus	9	20 36.03	2,809	65 4 43.1	18,202	198
43966	Aquarius	9	20 37.46	3,084	91 28 58.0	18,203	183
43967	Pegasus	7½	20 38.58	2,677	55 4 38.6	18,204	17
43968	Pegasus	7½	20 38.90	2,678	55 4 39.8	18,204	302
43969	Pegasus	8	20 42.59	2,849	68 33 4.8	18,207	31
43970	Pegasus	6½	20 45.33	2,681	55 17 29.7	18,208	17
43971	Pegasus	6	20 45.86	2,681	55 17 33.0	18,208	302
43972	Pegasus	8	20 46.72	2,919	74 59 35.5	18,209	37
43973	Pegasus	8	20 46.91	2,919	74 59 57.5	18,209	37
43974	Aquarius	6½	20 48.73	3,144	97 34 9.7	18,210	197
43975	Pegasus	5	20 53.02	2,723	58 16 49.7	18,212	21
43976	Pegasus	8	20 57.06	2,997	82 35 30.1	18,215	103
43977	Pegasus	9	20 57.39	2,897	72 42 57.1	18,215	34
43978	Pegasus	7½	20 57.42	2,997	82 35 34.3	18,215	304
43979	Pegasus	7½	20 57.51	2,744	59 48 19.5	18,215	119
43980	Pegasus	6	20 57.79	2,744	59 48 14.8	18,215	23
43981	Aquarius	6½	20 58.07	3,108	93 55 47.9	18,216	182
43982	Pegasus	9	21 0.88	2,899	73 2 57.3	18,218	34
43983	Aquarius	6½	21 3.68	3,188	101 55 30.7	18,219	115
43984	Aquarius	6½	21 4.48	3,188	101 55 26.6	18,220	571
43985	Pegasus	9½	21 5.76	3,037	86 40 50.4	18,220	108
43986	Pegasus	8	21 8.08	2,780	62 34 29.9	18,222	24
43987	Pegasus	8	21 8.24	2,780	62 34 29.5	18,222	244
43988	Lacerta .....	.	21 10.59	2,530	45 59 54.4	18,224	2
43989	Pegasus	7½	21 11.17	2,988	81 41 57.9	18,224	304
43990	Lacerta	9	21 12.22	2,361	38 15 7.4	18,224	304
43991	Lacerta	4½	21 12.94	2,477	43 18 44.9	18,225	363
43992	Lacerta	6	21 12.96	2,477	43 18 45.5	18,225	241
43993	Lacerta	9	21 14.59	2,476	43 15 23.5	18,226	241
43994	Lacerta	9	21 14.68	2,476	43 15 18.8	18,226	363
43995	Cepheus	8½	21 22.84	2,355	37 59 45.1	18,231	304
43996	Pegasus	8½	21 24.53	2,784	62 52 13.2	18,232	24
43997	Pegasus	9	21 24.64	2,784	62 52 12.7	18,232	244
43998	Aquarius	8	21 28.64	3,215	104 36 57.3	18,234	181
43999	Lacerta	8½	21 29.54	2,603	50 3 13.3	18,235	5
44000	Lacerta	8½	22 21 32.66	+2,571	48 9 35.3	-18,237	18

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			h m s	s	° ' "	"	
44001	Pegasus	9	22 21 33.28	+2,989	81 47 51.0	-18,237	304
44002	Lacerta	8½	21 34.43	2,370	38 31 45.6	18,238	304
44003	Lacerta .....	.	21 37.38	2,529	45 48 35.0	18,240	2
44004	Cepheus	8½	21 38.26	1,153	16 11 17.9	18,240	364
44005	Pegasus	8	21 43.98	2,834	67 2 41.7	18,244	198
44006	Pegasus	8	21 46.83	3,004	83 13 45.4	18,245	107
44007	Pegasus .....	.	21 49.61	2,974	80 15 28.1	18,247	40
44008	Aquarius	8	21 49.67	2,974	80 15 37.7	18,247	303
44009	Aquarius	9	21 49.97	3,119	95 5 7.9	18,247	188
44010	Aquarius	9	21 50.55	3,187	101 57 53.8	18,248	115
44011	Cepheus	7	21 52.13	0,620	12 46 23.0	18,249	351
44012	Lacerta	5	21 52.37	2,568	47 53 51.8	18,249	3
44013	Lacerta	5	21 53.00	2,568	47 53 53.9	18,249	18
44014	Lacerta	7	21 54.57	2,374	38 36 22.6	18,250	304
44015	Lacerta	8	21 55.29	2,446	41 39 48.0	18,250	363
44016	Lacerta	9	21 56.82	2,375	38 36 20.3	18,252	369
44017	Pegasus	8½	21 57.19	2,951	77 55 11.3	18,252	39
44018	Pegasus .....	.	22 1.99	3,008	83 37 4.1	18,255	107
44019	Aquarius	7	22 2.70	3,143	97 29 28.4	18,255	197
44020	Lacerta	9	22 8.42	2,593	49 18 11.2	18,258	5
44021	Pegasus	7	22 11.50	3,054	88 25 3.9	18,260	110
44022	Pegasus	7	22 11.89	3,055	88 26 6.3	18,260	184
44023	Aquarius	8½	22 14.15	3,094	92 32 15.4	18,262	183
44024	Aquarius	8½	22 15.44	3,255	108 31 22.8	18,263	194
44025	Aquarius	8	22 15.90	3,255	108 31 20.4	18,263	186
44026	Pegasus	5½	22 18.65	2,769	61 28 38.5	18,265	23
44027	Pegasus	6	22 18.96	2,769	61 28 39.9	18,265	244
44028	Pegasus	6	22 20.20	2,769	61 28 47.2	18,265	24
44029	Pegasus	9	22 22.63	2,837	67 9 30.7	18,267	198
44030	Pegasus	8	22 23.04	2,923	75 10 3.3	18,267	37
44031	Pegasus	9	22 23.10	2,923	75 10 7.3	18,268	37
44032	Pegasus .....	.	22 23.30	2,924	75 11 53.3	18,268	37
44033	Pegasus	8	22 23.50	2,924	75 11 46.3	18,268	37
44034	Aquarius	9	22 24.30	3,170	100 17 45.0	18,268	572
44035	Lacerta .....	.	22 27.80	2,635	51 46 30.1	18,270	15
44036	Pegasus	8	22 27.96	3,069	89 55 13.1	18,270	118
44037	Pegasus .....	.	22 32.18	3,008	83 36 28.0	18,273	107
44038	Aquarius	9	22 33.46	3,257	108 47 38.0	18,273	186
44039	Aquarius	9	22 36.31	3,169	100 14 12.9	18,275	572
44040	Pegasus	7	22 22 36.76	+3,051	88 0 53.2	-18,276	184

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			h m s	s	° ' "	"	
44041	Pegasus	8½	22 22 37.99	+2,798	63 47 14.6	-18,276	27
44042	Lacerta	8	22 38.93	2,535	45 52 48.8	18,277	2
44043	Pegasus	8½	22 41.07	2,703	56 21 25.0	18,278	302
44044	Aquarius	9½	22 45.24	3,168	100 4 57.1	18,281	191
44045	Aquarius	8	22 45.35	3,168	100 5 2.3	18,281	572
44046	Pegasus	7½	22 46.13	2,953	77 58 51.2	18,281	39
44047	Pegasus	7	22 48.72	2,885	71 24 11.8	18,283	34
44048	Lacerta	8	22 51.67	2,588	48 47 59.7	18,284	18
44049	Pegasus	9	22 55.60	2,819	65 18 43.0	18,287	198
44050	Aquarius	8½	22 56.75	3,088	91 56 2.8	18,287	183
44051	Pegasus	8½	22 57.62	2,818	65 26 8.0	18,288	198
44052	Pegasus	8	22 58.66	2,722	57 38 49.2	18,289	21
44053	Pegasus	7	23 0.89	2,924	75 9 38.1	18,290	37
44054	Lacerta α	4½	23 4.10	2,432	40 44 32.5	18,292	363
44055	Lacerta α	6	23 4.14	2,432	40 44 27.7	18,292	369
44056	Pegasus	8½	23 4.27	2,801	63 54 33.6	18,292	27
44057	Lacerta	8	23 18.37	2,630	51 13 22.1	18,300	15
44058	Lacerta	9	23 18.78	2,630	51 13 33.6	18,301	5
44059	Aquarius	8	23 22.43	3,310	113 42 38.7	18,303	349
44060	Aquarius	8½	23 22.86	3,309	113 37 51.5	18,303	570
44061	Pegasus	9	23 27.14	2,819	65 21 5.8	18,306	198
44062	Aquarius	•	23 27.75	3,068	89 50 1.7	18,306	118
44063	Pegasus	7½	23 28.95	2,925	75 9 45.0	18,307	37
44064	Aquarius	8½	23 29.59	3,126	95 55 39.1	18,307	188
44065	Pegasus	8	23 29.62	2,905	73 14 23.7	18,307	34
44066	Pegasus	8	23 31.47	2,712	56 47 42.4	18,308	302
44067	Aquarius	6	23 33.22	3,172	100 38 2.2	18,309	572
44068	Aquarius	7½	23 33.86	3,172	100 38 3.9	18,310	191
44069	Aquarius	8½	23 35.01	3,062	89 9 57.4	18,311	118
44070	Lacerta	6	23 36.78	2,631	51 14 38.5	18,311	5
44071	Lacerta	6	23 37.67	2,631	51 14 38.1	18,312	15
44072	Aquarius	9	23 43.34	3,228	106 8 46.0	18,316	185
44073	Aquarius .. v	5½	23 43.60	3,287	111 43 38.9	18,316	349
44074	Aquarius	6	23 44.03	3,094	92 35 50.8	18,316	182
44075	Aquarius .. v	5	23 44.09	3,287	111 43 31.9	18,316	180
44076	Lacerta	9	23 44.25	2,574	47 44 3.1	18,316	18
44077	Pegasus	8	23 44.32	2,924	75 5 19.8	18,316	37
44078	Aquarius	6	23 44.48	3,094	92 35 53.3	18,316	183
44079	Aquarius	8	23 48.28	3,169	100 19 50.2	18,319	572
44080	Aquarius	9	22 23 48.69	+3,169	100 19 52.8	-18,319	191

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			h	m	s	s	°	'	"	"	
44081	Pegasus	9	22	23	55.42	+2,750	59	37	0.6	-18,323	119
44082	Cepheus.....	9½		23	55.51	1,278	16	53	51.8	18,323	364
44083	Pegasus	7½		23	56.04	2,708	56	25	12.9	18,323	302
44084	Pegasus	8		23	58.07	2,991	81	49	32.9	18,324	304
44085	Cepheus.....	9½		24	2.32	1,254	16	40	7.4	18,327	364
44086	Pegasus	9		24	7.22	2,971	79	43	17.7	18,330	303
44087	Pegasus	8½		24	8.77	2,989	81	35	54.6	18,330	304
44088	Pegasus	8½		24	10.63	3,044	87	16	55.4	18,332	184
44089	Pegasus	8½		24	10.95	3,044	87	16	56.9	18,332	110
44090	Aquarius	7½		24	17.07	3,111	94	20	0.9	18,335	571
44091	Aquarius	8		24	17.26	3,111	94	19	59.4	18,335	182
44092	Aquarius	8		24	19.34	3,097	92	50	13.8	18,337	183
44093	Pegasus	8½		24	20.33	2,775	61	26	7.6	18,337	244
44094	Pegasus	8½		24	20.52	2,773	61	17	3.3	18,338	24
44095	Pegasus	8½		24	21.39	2,753	59	44	26.6	18,338	119
44096	Aquarius	8		24	21.45	3,074	90	25	40.7	18,338	118
44097	Pegasus	8		24	23.35	3,039	86	48	16.0	18,339	108
44098	Cepheus.....	7		24	23.64	2,350	36	59	20.7	18,339	304
44099	Pegasus	9½		24	23.85	3,039	86	48	35.0	18,340	108
44100	Pegasus	7½		24	23.95	3,039	86	48	16.6	18,340	117
44101	Lacerta	8½		24	28.25	2,530	45	6	55.9	18,342	241
44102	Lacerta	9		24	30.84	2,528	44	57	0.7	18,343	241
44103	Lacerta	9		24	31.08	2,528	44	57	4.2	18,344	363
44104	Lacerta	8		24	32.72	2,639	51	26	59.1	18,345	15
44105	Pegasus	8		24	33.67	2,913	73	52	24.2	18,345	37
44106	Pegasus	8½		24	34.01	2,951	77	36	58.2	18,346	39
44107	Aquarius	6		24	34.56	3,322	115	1	10.0	18,346	570
44108	Lacerta	9		24	36.47	2,462	41	38	17.9	18,347	363
44109	Pegasus	9		24	39.94	3,043	87	10	42.6	18,349	110
44110	Pegasus	8½		24	43.33	2,774	61	17	4.4	18,351	244
44111	Lacerta .....	.		24	47.78	2,620	50	12	34.2	18,354	5
44112	Aquarius ....	.		24	47.85	3,094	92	33	6.9	18,354	183
44113	Aquarius	9		24	47.99	3,254	108	50	16.0	18,354	187
44114	Lacerta	8½		24	50.36	2,528	44	54	42.7	18,355	241
44115	Lacerta	8½		24	50.47	2,528	44	54	15.2	18,355	363
44116	Pegasus	8		24	51.85	3,040	86	51	52.0	18,356	108
44117	Aquarius	8		24	52.13	3,252	108	38	56.1	18,356	194
44118	Pegasus	8		24	52.45	3,040	86	49	51.5	18,356	117
44119	Aquarius	8		24	52.48	3,252	108	38	56.8	18,356	187
44120	Lacerta	8½	22	24	54.84	+2,681	54	13	28.2	-18,358	17

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44121	Pegasus	2	22 24 57.35	+2,814	64 38 23.9	-18,359	27
44122	Aquarius	8	24 59.08	3,287	111 57 46.9	18,360	349
44123	Pegasus	8	24 59.38	3,054	88 21 27.6	18,360	184
44124	Aquarius	8	24 59.71	3,287	111 57 43.8	18,361	180
44125	Pegasus	2	25 0.82	3,053	88 13 2.3	18,361	184
44126	Aquarius	6	25 1.36	3,250	108 29 7.0	18,362	179
44127	Aquarius	6½	25 1.90	3,250	108 29 13.2	18,362	194
44128	Aquarius	6½	25 1.97	3,250	108 29 11.7	18,362	187
44129	Cepheus	6	25 2.08	0,587	12 14 2.6	18,362	351
44130	Lacerta .....	.	25 3.85	2,577	47 32 33.3	18,363	3
44131	Aquarius .. 7	4	25 4.08	3,080	91 8 36.4	18,363	183
44132	Aquarius .. 7	4½	25 4.38	3,080	91 8 35.9	18,363	118
44133	Aquarius .. 7	4	25 4.95	3,080	91 8 32.5	18,364	182
44134	Aquarius	6	25 5.20	3,321	115 1 7.7	18,364	181
44135	Aquarius	8½	25 6.92	3,321	115 1 54.2	18,365	570
44136	Aquarius	8	25 11.64	3,107	93 58 13.0	18,368	571
44137	Pegasus	6½	25 12.30	2,812	64 25 42.6	18,368	27
44138	Lacerta	8	25 14.90	2,645	51 41 36.2	18,370	15
44139	Lacerta	8	25 17.36	2,605	49 7 32.2	18,371	18
44140	Pegasus	8	25 18.91	3,055	88 27 54.7	18,372	184
44141	Pegasus	8½	25 20.22	2,776	61 17 37.3	18,373	244
44142	Aquarius	6½	25 20.41	3,238	107 24 57.3	18,373	194
44143	Aquarius	7½	25 21.12	3,238	107 25 6.8	18,373	187
44144	Aquarius	7	25 21.12	3,238	107 24 56.7	18,373	185
44145	Lacerta	8	25 30.95	2,524	44 27 50.4	18,379	363
44146	Pegasus	7	25 31.46	2,774	61 4 19.8	18,379	24
44147	Pegasus	2	25 34.78	3,039	86 45 29.6	18,381	108
44148	Lacerta	8	25 35.42	2,680	53 55 31.5	18,381	17
44149	Pegasus	9½	25 37.45	2,755	59 33 23.2	18,383	119
44150	Lacerta	7½	25 42.35	2,625	50 15 12.9	18,385	5
44151	Pegasus	8	25 46.39	2,764	60 13 29.8	18,388	119
44152	Aquarius	9	25 47.74	3,257	109 18 1.2	18,389	179
44153	Pegasus	2	25 49.16	2,824	65 19 50.3	18,390	198
44154	Pegasus .....	.	25 51.66	2,941	76 25 5.9	18,391	37
44155	Aquarius	7½	25 52.18	3,287	112 7 20.4	18,391	349
44156	Aquarius	7½	25 52.61	3,287	112 7 15.2	18,392	180
44157	Aquarius	2	25 53.44	3,128	96 11 7.4	18,392	188
44158	Aquarius	8	26 2.75	3,081	91 12 51.5	18,398	183
44159	Lacerta	8	26 3.04	2,555	46 1 28.6	18,398	2
44160	Aquarius	8½	22 26 3.23	+3,081	91 12 54.9	-18,398	118

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44161	Pegasus	7	22	26	8.04	+2,890	71	18	53.9	-18,401	34
44162	Pegasus	8½		26	9.14	2,740	58	12	18.0	18,401	21
44163	Pegasus	6		26	11.10	2,884	70	44	58.4	18,402	32
44164	Pegasus	8		26	12.83	2,828	65	35	9.5	18,403	198
44165	Lacerta	8½		26	15.47	2,509	43	30	34.8	18,405	241
44166	Lacerta	9		26	15.69	2,485	42	16	19.9	18,405	363
44167	Aquarius	8		26	18.76	3,190	102	45	41.2	18,406	115
44168	Pegasus	7		26	23.83	3,019	84	31	8.2	18,409	107
44169	Pegasus	9		26	30.78	3,037	86	31	13.9	18,414	108
44170	Pegasus	7½		26	30.96	2,741	58	14	28.8	18,414	21
44171	Aquarius	8½		26	33.89	3,209	104	41	54.9	18,415	181
44172	Lacerta .....	.		26	35.44	2,647	51	26	38.4	18,416	15
44173	Aquarius	8		26	36.65	3,277	111	24	32.0	18,417	349
44174	Lacerta	8		26	38.07	2,582	47	20	58.5	18,418	3
44175	Lacerta	8½		26	38.47	2,582	47	20	59.8	18,418	18
44176	Aquarius	8½		26	38.99	3,293	112	49	38.6	18,418	180
44177*	Lacerta .....	.		26	41.59	2,556	45	52	39.3	18,420	2
44178	Pegasus	7		26	41.66	2,983	80	42	14.9	18,420	303
44179	Pegasus	7		26	41.78	2,970	79	20	8.7	18,420	40
44180	Aquarius	9		26	46.04	3,236	107	24	5.9	18,423	194
44181	Pegasus	8		26	46.16	2,953	77	33	54.6	18,423	39
44182	Aquarius	9½		26	46.42	3,236	107	24	6.5	18,423	187
44183	Cepheus.....	9½		26	47.49	1,319	16	48	56.4	18,423	364
44184	Pegasus	7½		26	49.29	2,956	77	52	36.0	18,424	39
44185	Pegasus	8		26	51.10	3,007	83	14	47.7	18,426	304
44186	Pegasus	7		26	51.24	3,007	83	14	57.9	18,426	303
44187	Pegasus	7½		26	51.55	3,007	83	14	44.2	18,426	107
44188	Aquarius	8		26	52.51	3,135	97	5	55.9	18,426	188
44189	Piscis Aust. ..	8½		26	57.26	3,357	118	28	38.1	18,429	569
44190	Pegasus	7		26	57.47	2,811	63	54	32.4	18,429	27
44191	Pegasus	9		26	57.74	2,780	61	17	4.0	18,430	244
44192	Lacerta	7		26	59.96	2,648	51	24	7.2	18,431	15
44193	Lacerta	6		26	59.97	2,648	51	23	43.2	18,431	15
44194	Lacerta .....	.		27	3.29	2,690	54	16	3.3	18,432	125
44195	Lacerta	6½		27	4.25	2,706	55	26	58.4	18,433	302
44196	Pegasus	8½		27	4.56	3,061	89	6	14.3	18,433	110
44197	Lacerta	7½		27	5.89	2,690	54	16	5.6	18,434	17
44198	Piscis Aust. ..	8		27	7.70	3,335	116	41	13.4	18,435	181
44199	Aquarius	8½		27	14.30	3,205	104	24	10.3	18,439	181
44200	Pegasus	9	22	27	16.16	+3,037	86	28	18.6	-18,440	108

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44201	Pegasus	9	22 27 16,38	+3,037	86 28 23,4	-18,440	117
44202	Lacerta	7	27 18,95	2,654	51 41 31,5	18,441	15
44203	Aquarius .. x	6½	27 23,36	3,118	95 15 20,3	18,444	571
44204	Aquarius .. x	5½	27 23,47	3,118	95 15 16,9	18,444	187
44205	Aquarius .. x	5	27 23,71	3,118	95 15 16,5	18,444	182
44206	Aquarius .. x	6	27 23,85	3,118	95 15 16,5	18,444	188
44207	Lacerta	7	27 24,62	2,676	53 11 20,3	18,445	125
44208	Lacerta	9	27 24,77	2,677	53 15 10,4	18,445	125
44209	Pegasus	7½	27 25,40	2,916	73 44 57,3	18,445	37
44210	Aquarius	8	27 26,86	3,301	113 46 19,2	18,446	349
44211	Aquarius	8	27 27,49	3,301	113 46 14,2	18,446	570
44212	Pegasus	8	27 29,06	2,769	60 14 22,4	18,447	119
44213	Lacerta	7½	27 30,44	2,465	40 57 38,1	18,448	369
44214	Pegasus	8½	27 37,45	2,782	61 17 39,4	18,452	24
44215	Pegasus	8	27 37,74	2,782	61 17 36,9	18,452	244
44216	Lacerta	8½	27 38,11	2,679	53 18 14,4	18,452	125
44217	Cepheus.....	9	27 38,13	2,394	37 49 47,1	18,452	304
44218	Lacerta	8	27 38,27	2,679	53 18 8,1	18,452	17
44219	Pegasus	7½	27 38,96	2,843	67 33 33,8	18,453	31
44220	Aquarius	9	27 44,73	3,235	107 30 19,5	18,456	194
44221	Pegasus	7	27 44,99	2,708	55 22 48,2	18,456	302
44222	Aquarius	9½	27 49,10	3,211	105 5 33,7	18,459	185
44223	Aquarius	6½	27 52,01	3,152	98 55 54,7	18,460	572
44224	Aquarius	7½	27 52,24	3,152	98 55 53,8	18,460	197
44225	Aquarius	8	27 52,99	3,211	105 6 0,9	18,461	190
44226	Aquarius	8	27 53,61	3,211	105 6 11,8	18,461	185
44227	Cepheus.... p	5½	27 56,34	0,653	12 12 23,6	18,463	351
44228	Aquarius	9	27 58,08	3,111	94 45 25,2	18,464	571
44229	Pegasus	7	28 2,20	2,848	67 1 54,0	18,466	31
44230	Pegasus	7½	28 2,34	2,848	67 1 53,6	18,466	198
44231	Pegasus	8½	28 2,78	2,940	76 2 18,0	18,466	37
44232	Aquarius	8½	28 8,87	3,298	113 40 10,3	18,470	349
44233	Aquarius	8½	28 9,44	3,298	113 40 9,3	18,470	570
44234	Pegasus	8½	28 10,73	2,811	63 35 46,7	18,471	27
44235	Piscis Aust. ..	8½	28 12,80	3,330	116 30 58,8	18,473	181
44236	Lacerta	7	28 16,15	2,591	47 26 1,0	18,474	3
44237	Lacerta	8	28 16,91	2,591	47 25 47,3	18,474	18
44238	Pegasus	8	28 16,93	3,057	88 33 57,4	18,474	184
44239	Pegasus	8	28 17,04	3,058	88 44 1,3	18,474	110
44240	Pegasus	8	22 28 19,01	+3,011	83 15 12,7	-18,476	107

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44241	Aquarius	9	22 28 19.94	+3,247	108 49 54.8	-18,476	194
44242	Cepheus	8	28 20.22	1,362	16 57 24.0	18,477	364
44243	Lacerta	9	28 21.18	2,514	43 8 59.7	18,477	363
44244	Pegasus	9	28 23.27	2,847	66 52 26.4	18,478	198
44245	Aquarius	8	28 23.74	3,172	101 8 11.3	18,478	572
44246	Aquarius	8½	28 23.75	3,172	101 8 15.9	18,478	115
44247	Aquarius	8	28 24.37	3,172	101 8 23.0	18,479	191
44248	Pegasus	9	28 25.11	2,982	80 25 6.8	18,479	40
44249	Pegasus	9	28 26.04	2,958	77 53 17.7	18,480	39
44250	Pegasus	7½	28 27.08	2,994	81 46 43.5	18,480	303
44251	Pegasus	7½	28 27.49	2,994	81 46 35.5	18,480	304
44252	Lacerta	6½	28 29.46	2,605	48 13 28.7	18,482	3
44253	Lacerta	7	28 29.89	2,605	48 13 31.1	18,482	18
44254	Piscis Aust. . .	7	28 34.39	3,362	119 21 34.5	18,485	569
44255	Aquarius	8½	28 34.43	3,299	113 48 54.5	18,485	349
44256	Lacerta	7	28 35.00	2,658	51 35 41.9	18,485	15
44257	Aquarius	8½	28 35.43	3,297	113 38 42.1	18,485	570
44258	Pegasus	9	28 35.61	2,783	61 6 35.0	18,485	119
44259	Aquarius	8½	28 35.68	3,107	94 3 34.0	18,485	182
44260	Aquarius	8	28 35.95	3,107	94 3 34.5	18,485	187
44261	Piscis Aust. . .	8	28 36.18	3,362	119 22 48.8	18,485	569
44262	Pegasus	7½	28 36.31	2,783	61 6 30.6	18,485	244
44263	Pegasus	7½	28 36.50	2,783	61 6 35.9	18,486	24
44264	Pegasus	7	28 41.55	3,038	86 30 15.4	18,488	108
44265	Cepheus	6½	28 41.82	1,107	14 48 12.2	18,488	364
44266	Pegasus	7½	28 41.96	3,038	85 30 18.2	18,489	117
44267	Aquarius	8	28 43.56	3,171	101 3 50.7	18,490	190
44268	Aquarius	6½	28 43.61	3,171	101 3 44.0	18,490	572
44269	Aquarius	7½	28 43.69	3,171	101 3 46.4	18,490	115
44270	Aquarius	6½	28 43.86	3,171	101 3 44.7	18,490	121
44271	Pegasus	9	28 45.18	2,715	55 37 33.4	18,491	302
44272	Pegasus	8	28 48.83	3,003	82 39 43.7	18,493	304
44273	Pegasus	8	28 49.26	3,003	82 39 56.8	18,493	303
44274	Aquarius	9	28 49.96	3,260	110 9 34.4	18,493	179
44275	Pegasus	7	28 51.78	2,879	69 48 30.6	18,494	33
44276	Pegasus	9	28 53.67	3,222	103 38 28.4	18,495	181
44277	Aquarius	8	28 53.94	3,112	94 38 27.5	18,496	182
44278	Aquarius	8	28 54.03	3,112	94 38 24.9	18,496	571
44279	Pegasus	9	28 58.51	3,003	82 39 3.8	18,498	303
44280	Pegasus	9	22 28 59.13	+3,003	82 38 51.7	-18,498	304

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44281	Aquarius	8½	22 29 1.68	+3,148	98 38 19.7	-18,500	197
44282	Pegasus	8	29 3.07	2,787	61 19 26.1	18,501	119
44283	Pegasus	8½	29 3.24	2,787	61 19 21.7	18,501	244
44284	Pegasus	9	29 9.19	3,047	87 29 20.1	18,504	184
44285	Pegasus	8	29 9.89	2,921	73 56 33.1	18,505	37
44286	Lacerta	6½	29 10.74	2,443	39 29 2.1	18,505	369
44287	Lacerta	8½	29 11.11	2,565	45 37 38.1	18,505	2
44288	Lacerta	5	29 11.92	2,443	39 29 1.5	18,505	304
44289	Pegasus	6	29 12.26	2,897	71 30 27.3	18,506	34
44290	Aquarius	7½	29 13.12	3,260	110 13 59.4	18,506	201
44291	Aquarius	7½	29 13.28	3,260	110 13 57.9	18,506	179
44292	Aquarius	8	29 14.23	3,213	105 34 41.1	18,507	185
44293	Aquarius	8½	29 18.01	3,111	94 32 52.7	18,509	571
44294	Pegasus	8	29 20.54	2,788	61 19 27.0	18,511	24
44295	Pegasus	8	29 20.75	2,788	61 19 21.6	18,511	244
44296	Pegasus	9½	29 21.07	2,788	61 19 26.0	18,511	119
44297	Pegasus	9½	29 22.50	2,842	66 12 25.5	18,511	198
44298	Pegasus	9	29 23.79	2,786	61 11 36.5	18,512	244
44299	Lacerta	8	29 26.23	2,636	49 54 53.2	18,514	5
44300	Pegasus	8½	29 26.76	2,742	57 29 28.0	18,514	21
44301	Aquarius	8½	29 32.09	3,070	90 5 0.9	18,517	118
44302	Piscis Aust. s	4	29 33.75	3,344	118 4 47.9	18,518	181
44303	Piscis Aust. s	5	29 33.90	3,344	118 4 49.0	18,518	569
44304	Aquarius	6	29 34.06	3,164	100 23 51.8	18,518	572
44305	Aquarius	7½	29 34.59	3,164	100 23 55.2	18,518	191
44306	Lacerta	8	29 36.39	2,559	45 11 52.5	18,520	363
44307	Lacerta	7½	29 38.25	2,560	45 11 50.1	18,520	241
44308	Lacerta	7	29 38.27	2,560	45 11 56.5	18,520	2
44309	Pegasus	8½	29 38.76	3,050	87 47 38.6	18,521	184
44310	Pegasus	8½	29 38.99	3,050	87 47 37.9	18,521	110
44311	Lacerta	6	29 39.96	2,571	45 51 10.2	18,521	2
44312	Aquarius	8½	29 40.78	3,213	105 38 24.4	18,522	185
44313	Pegasus	8½	29 46.22	3,068	89 49 54.3	18,525	118
44314	Aquarius	7½	29 46.32	3,138	97 34 9.3	18,525	197
44315	Lacerta	8½	29 46.80	2,544	44 19 11.1	18,525	241
44316	Lacerta	6½	29 53.52	2,581	46 22 3.3	18,529	3
44317	Aquarius	7½	29 54.00	3,234	107 48 33.1	18,529	194
44318	Lacerta	6½	30 1.59	2,588	46 43 38.6	18,534	3
44319	Lacerta	7	30 2.60	2,693	53 39 36.2	18,534	125
44320	Lacerta	6½	22 30 3.09	+2,693	53 39 36.9	-18,534	17

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44321	Lacerta	9	22 30 4,82	+2,492	41 29 36,5	-18,535	363
44322	Pegasus	6	30 6,11	2,897	71 21 21,9	18,536	34
44323	Pegasus	5½	30 6,17	2,897	71 21 19,1	18,536	33
44324	Aquarius	7	30 6,51	3,303	114 33 31,2	18,536	570
44325	Pegasus	7	30 17,58	3,037	86 17 16,5	18,543	108
44326	Pegasus	8½	30 18,17	3,051	87 54 13,9	18,543	110
44327	Pegasus	8½	30 18,29	3,051	87 54 13,7	18,543	184
44328	Pegasus	7½	30 18,38	3,038	86 27 21,7	18,543	117
44329	Lacerta	6	30 19,31	2,671	51 59 8,9	18,543	15
44330	Pegasus	9	30 19,91	2,721	55 38 5,2	18,544	302
44331	Aquarius	8½	30 21,19	3,080	91 6 31,3	18,544	183
44332	Pegasus	•	30 21,22	2,865	68 9 29,7	18,544	31
44333	Lacerta	9	30 21,41	2,625	48 52 31,3	18,544	18
44334	Piscis Aust. ..	8	30 21,58	3,344	118 17 40,1	18,545	569
44335	Pegasus	7½	30 22,93	3,037	86 20 24,5	18,545	117
44336	Pegasus	9	30 23,38	3,037	86 20 22,6	18,546	108
44337	Aquarius	7	30 26,13	3,111	94 35 24,2	18,547	182
44338	Aquarius	6½	30 26,65	3,111	94 35 24,5	18,547	187
44339	Aquarius	6½	30 27,03	3,111	94 35 23,9	18,548	571
44340	Lacerta	6½	30 29,09	2,695	53 41 0,7	18,549	17
44341	Lacerta	7	30 29,74	2,695	53 40 59,1	18,549	125
44342	Lacerta	8	30 30,40	2,693	53 30 37,9	18,549	125
44343	Lacerta	9	30 31,61	2,503	41 56 25,9	18,550	363
44344	Lacerta	6	30 32,14	2,692	53 26 41,4	18,550	17
44345	Lacerta	•	30 32,62	2,692	53 26 42,9	18,551	125
44346	Lacerta	7½	30 35,01	2,676	52 17 19,2	18,552	15
44347	Pegasus	8½	30 40,87	2,850	66 38 55,8	18,555	198
44348	Lacerta	9	30 41,23	2,638	49 39 25,6	18,555	5
44349	Aquarius	7½	30 48,61	3,189	103 16 9,9	18,560	190
44350	Aquarius	7	30 49,07	3,189	103 16 6,4	18,560	181
44351	Pegasus	7	30 49,67	2,895	70 59 47,3	18,560	34
44352	Pegasus	7	30 49,75	2,895	70 59 46,5	18,560	33
44353	Lacerta	8	30 49,94	2,626	48 50 15,5	18,561	3
44354	Lacerta	8	30 50,73	2,626	48 50 12,1	18,561	18
44355	Aquarius	8½	30 56,62	3,221	106 39 30,9	18,564	185
44356	Pegasus	5½	30 58,61	2,948	76 29 52,7	18,565	37
44357	Pegasus	8½	31 2,56	2,769	59 15 1,8	18,567	119
44358	Pegasus	8	31 3,73	2,810	62 49 23,1	18,568	244
44359	Pegasus	8	31 3,81	2,810	62 49 26,1	18,568	130
44360	Lacerta	9	22 31 7,86	+2,546	43 58 40,4	-18,570	241

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44361	Lacerta	8	22	31	10.13	+2,696	53	30	35.3	-18,572	17
44362	Lacerta	8		31	10.65	2,693	53	17	37.6	18,572	125
44363	Pegasus	9		31	10.97	2,722	55	28	52.9	18,572	302
44364	Pegasus	9		31	12.10	3,046	87	17	34.2	18,572	184
44365	Lacerta	8		31	12.74	2,642	49	43	28.5	18,573	5
44366	Pegasus	9		31	12.92	3,047	87	26	1.7	18,573	110
44367	Pegasus	8		31	13.00	2,827	64	18	1.7	18,573	27
44368	Piscis Aust. ..	8		31	13.83	3,343	118	25	14.4	18,573	569
44369	Pegasus	9		31	13.88	3,037	86	19	2.4	18,573	108
44370	Pegasus	9		31	15.35	2,840	65	35	16.6	18,574	198
44371	Pegasus	8		31	18.48	2,940	75	33	7.3	18,576	37
44372	Pegasus	9½		31	23.79	2,962	77	51	34.4	18,579	38
44373	Aquarius	7½		31	27.56	3,169	101	9	52.6	18,581	572
44374	Aquarius	8		31	27.89	3,169	101	9	57.6	18,581	191
44375	Aquarius	8		31	28.38	3,160	100	9	55.5	18,581	190
44376	Pegasus ζ	3½		31	29.65	2,983	80	12	30.7	18,583	40
44377	Pegasus	8½		31	29.77	2,980	79	57	26.3	18,583	40
44378	Pegasus ζ	3		31	29.91	2,983	80	12	27.0	18,583	304
44379	Pegasus	7½		31	30.02	2,844	65	49	42.9	18,583	198
44380	Pegasus	8½		31	39.88	3,035	86	3	18.7	18,588	108
44381	Pegasus .....	.		31	40.89	3,035	86	3	17.8	18,588	117
44382	Aquarius	7		31	41.00	3,124	96	8	22.3	18,588	188
44383	Aquarius	7		31	45.09	3,109	94	30	49.7	18,591	571
44384	Aquarius	7½		31	45.39	3,109	94	30	47.1	18,591	187
44385	Aquarius	8		31	45.58	3,109	94	30	43.7	18,591	182
44386	Lacerta	4½		31	45.96	2,597	46	45	53.0	18,591	3
44387	Lacerta	5		31	46.28	2,597	46	45	54.2	18,591	2
44388	Pegasus	8½		31	51.03	2,967	78	27	54.6	18,594	39
44389	Pegasus	8		31	52.47	2,859	67	11	34.2	18,595	31
44390	Cepheus .....	.		31	55.39	1,283	15	40	37.9	18,596	364
44391	Aquarius	8		31	55.67	3,191	103	36	10.3	18,596	190
44392	Aquarius	8		31	55.68	3,191	103	35	58.8	18,596	181
44393	Lacerta	8		31	57.56	2,705	53	58	4.1	18,597	125
44394	Aquarius	8		31	58.11	3,167	100	57	35.9	18,598	572
44395	Aquarius	9		31	58.38	3,167	100	57	26.8	18,598	191
44396	Lacerta	8½		31	59.81	2,683	52	21	55.8	18,599	15
44397	Pegasus	8½		32	0.27	2,760	58	14	28.2	18,599	21
44398	Pegasus	6		32	5.43	2,950	76	31	25.4	18,602	37
44399	Pegasus	8		32	8.00	3,008	82	57	59.9	18,603	303
44400	Aquarius	7	22	32	8.48	+3,333	112	41	57.5	-18,603	349

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44401	Lacerta	8½	22 32 10.49	+2,626	48° 26' 32.3	-18,605	18
44402	Pegasus	8½	32 10.72	2,981	79 57 17.1	18,605	40
44403	Pegasus	7	32 11.39	2,782	60 4 28.2	18,605	119
44404	Cepheus.....	6½	32 11.56	2,411	37 11 34.9	18,605	304
44405	Pegasus	7	32 11.62	2,874	68 39 8.8	18,605	31
44406	Pegasus	7½	32 13.41	3,034	85 51 58.3	18,606	108
44407	Pegasus	7½	32 13.85	3,034	85 52 5.3	18,606	117
44408	Piscis Aust. ..	8	32 15.19	3,321	116 42 17.9	18,607	181
44409	Aquarius	9	32 19.72	3,188	103 22 30.6	18,610	181
44410	Pegasus	9	32 20.84	3,053	88 8 16.8	18,610	184
44411	Pegasus 0	5	32 22.34	2,801	61 43 54.9	18,611	130
44412	Pegasus 0	5½	32 23.00	2,801	61 43 51.7	18,611	244
44413	Aquarius	9	32 23.63	3,188	103 23 29.7	18,612	181
44414	Lacerta	8½	32 25.09	2,683	52 13 22.6	18,612	15
44415	Pegasus	7	32 25.59	2,878	68 56 17.0	18,613	31
44416	Aquarius	8	32 27.68	3,078	90 58 10.1	18,614	118
44417	Aquarius	7½	32 28.93	3,168	101 8 39.4	18,614	191
44418	Aquarius	6½	32 29.05	3,168	101 8 44.6	18,615	572
44419	Aquarius	7	32 29.16	3,168	101 8 45.4	18,615	190
44420	Aquarius	9	32 29.53	3,107	94 19 39.3	18,615	571
44421	Aquarius	8	32 33.72	3,077	90 48 41.8	18,617	118
44422	Aquarius	8½	32 35.90	3,100	93 30 10.8	18,618	182
44423	Aquarius	8	32 37.49	3,102	93 43 23.5	18,619	182
44424	Aquarius	9	32 39.93	3,221	106 56 17.1	18,620	185
44425	Lacerta	6½	32 40.55	2,645	49 29 46.8	18,621	5
44426	Aquarius	8½	32 41.49	3,075	90 37 55.4	18,621	118
44427	Pegasus	8	32 43.64	3,021	84 22 11.6	18,623	107
44428	Lacerta	8	32 44.50	2,632	48 37 32.3	18,623	18
44429	Aquarius	8	32 45.07	3,142	98 15 22.9	18,623	197
44430	Pegasus	7	32 45.39	3,036	86 4 25.5	18,623	108
44431	Pegasus	7	32 45.49	3,036	86 4 29.7	18,624	117
44432	Pegasus	8½	32 46.13	2,955	77 0 26.4	18,624	39
44433	Aquarius	6½	32 47.05	3,140	98 0 18.1	18,624	197
44434	Aquarius	7	32 47.65	3,139	98 0 15.6	18,625	188
44435	Aquarius	8½	32 48.48	3,223	107 10 47.4	18,625	185
44436	Aquarius .. g ¹	6	32 48.49	3,249	109 52 18.5	18,625	179
44437	Aquarius .. g ¹	5	32 48.73	3,249	109 52 25.3	18,625	201
44438	Aquarius .. g ¹	5½	32 49.18	3,249	109 52 17.6	18,626	194
44439	Cepheus.....	7	32 53.40	1,301	15 39 59.5	18,628	364
44440	Pegasus	9	22 32 53.53	+2,911	72 15 49.1	-18,628	34

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44441	Pegasus	8½	22	32	55.86	+2,758	57	49	27.4	-18,629	21
44442	Aquarius	9½		32	56.51	3,061	82	57	27.4	18,629	184
44443	Aquarius	8½		32	57.47	3,134	97	25	40.4	18,630	197
44444	Lacerta	9		32	58.66	2,498	40	56	58.8	18,631	363
44445	Pegasus	9		33	1.37	2,734	55	55	38.2	18,632	302
44446	Pegasus	9½		33	1.54	2,910	72	7	42.0	18,633	34
44447	Lacerta	8		33	7.16	2,707	53	47	41.4	18,635	125
44448	Pegasus	9		33	10.69	2,949	76	17	0.9	18,637	37
44449	Lacerta	8		33	15.83	2,593	46	2	3.0	18,640	2
44450	Aquarius	9½		33	16.53	3,061	82	57	17.5	18,640	185
44451	Lacerta	8		33	17.03	2,635	48	38	46.2	18,641	18
44452	Aquarius	9		33	29.37	3,298	114	48	37.3	18,647	570
44453	Lacerta	8		33	34.82	2,559	43	58	31.0	18,650	241
44454	Lacerta	9		33	35.35	2,559	43	58	34.6	18,651	363
44455	Pegasus γ	3		33	38.58	2,795	60	49	13.0	18,652	130
44456	Pegasus γ	3		33	38.69	2,795	60	49	15.5	18,652	244
44457	Pegasus	7		33	38.73	2,795	60	49	12.7	18,652	119
44458	Pegasus	8		33	39.01	3,045	87	10	33.9	18,653	108
44459	Pegasus	7½		33	39.64	3,045	87	10	35.7	18,653	110
44460	Aquarius	8½		33	43.34	3,157	100	3	52.0	18,655	572
44461	Aquarius	8		33	44.20	3,100	93	33	46.5	18,655	571
44462	Aquarius	9		33	44.83	3,157	100	6	18.2	18,656	572
44463	Pegasus	8		33	45.23	2,984	80	5	42.0	18,656	40
44464	Lacerta	7½		33	48.66	2,708	53	35	48.5	18,658	125
44465	Lacerta	7		33	49.20	2,708	53	35	39.6	18,658	17
44466	Lacerta	7		33	51.78	2,703	53	14	25.1	18,659	125
44467	Lacerta	8		33	52.06	2,703	53	14	23.2	18,660	17
44468	Aquarius	9½		33	54.79	3,087	91	59	46.0	18,661	183
44469	Pegasus	8½		33	54.90	2,760	57	45	37.1	18,661	21
44470	Pegasus	8½		33	55.95	2,735	55	42	42.9	18,662	302
44471	Pegasus	9		33	59.18	2,844	65	15	33.9	18,663	198
44472	Pegasus	8		33	59.72	3,021	84	18	15.1	18,663	107
44473	Lacerta	8½		34	2.11	2,691	52	16	29.2	18,665	15
44474	Aquarius	9		34	8.30	3,144	98	39	42.0	18,668	197
44475	Cepheus	6½		34	11.57	2,424	37	8	4.4	18,670	304
44476	Pegasus	8½		34	14.73	2,798	60	57	7.6	18,672	119
44477	Cepheus	9½		34	15.79	1,343	15	47	59.1	18,672	364
44478	Lacerta	9		34	17.50	2,506	40	54	8.4	18,673	363
44479	Aquarius	9		34	20.33	3,198	104	40	53.7	18,675	181
44480	Pegasus	8	22	34	22.49	+2,825	63	21	29.6	-18,676	27

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44481	Pegasus	9	22 34 22.80	+3,037	86 10 13.4	-18,676	117
44482	Pegasus	9	34 22.81	3,037	86 10 6.4	18,676	108
44483	Pegasus	8	34 26.28	2,804	61 27 12.3	18,678	130
44484	Lacerta	7	34 27.99	2,563	43 52 13.7	18,679	241
44485	Lacerta	7	34 28.27	2,563	43 52 34.3	18,679	363
44486	Piscis Aust. ..	6	34 32.59	3,310	116 17 1.7	18,681	181
44487	Pegasus	8	34 32.71	2,808	61 46 3.6	18,681	130
44488	Pegasus	8	34 34.83	2,893	70 6 34.4	18,682	33
44489	Pegasus	8	34 35.93	2,755	57 7 4.3	18,683	302
44490	Aquarius	9½	34 37.62	3,143	98 36 44.7	18,684	197
44491	Pegasus	8	34 37.68	2,955	76 45 19.1	18,684	37
44492	Lacerta	6½	34 41.27	2,708	53 20 36.1	18,686	17
44493	Lacerta	8	34 41.70	2,708	53 20 40.1	18,686	125
44494	Pegasus	8	34 41.76	2,827	63 26 51.6	18,686	27
44495	Aquarius	8	34 42.33	3,085	91 46 43.3	18,686	184
44496	Pegasus	9	34 46.43	2,959	77 11 0.2	18,688	39
44497	Lacerta	8	34 47.04	2,584	45 0 59.9	18,689	241
44498	Aquarius	7½	34 47.09	3,215	106 37 39.1	18,689	185
44499	Pegasus	8	34 49.29	2,805	61 26 1.2	18,690	130
44500	Aquarius	8	34 49.53	3,161	100 41 20.4	18,690	191
44501	Aquarius	8	34 49.73	3,191	104 3 5.0	18,690	190
44502	Aquarius	8	34 50.08	3,191	104 3 0.6	18,691	181
44503	Pegasus	8	34 50.44	2,884	69 5 33.6	18,691	31
44504	Pegasus	9½	34 52.57	2,964	77 43 26.7	18,692	38
44505	Lacerta	8	34 53.45	2,609	46 30 55.3	18,692	2
44506	Aquarius	8	35 2.40	3,088	92 13 25.4	18,697	184
44507	Cepheus	9	35 3.57	1,309	15 22 58.2	18,697	364
44508	Lacerta	6	35 5.20	2,686	51 34 40.0	18,698	15
44509	Lacerta	8	35 5.23	2,562	43 38 3.3	18,698	241
44510	Pegasus	9	35 7.40	3,024	84 38 28.6	18,700	107
44511	Lacerta	6	35 11.28	2,653	49 13 35.7	18,702	5
44512	Lacerta	5	35 11.36	2,652	49 13 33.4	18,702	3
44513	Pegasus	7	35 11.59	3,047	87 21 18.8	18,702	185
44514	Pegasus	7½	35 11.60	3,047	87 21 17.8	18,702	108
44515	Pegasus	7½	35 11.68	3,047	87 21 20.7	18,702	110
44516	Lacerta	6	35 12.22	2,653	49 13 37.5	18,702	18
44517	Pegasus	8	35 14.68	2,979	79 21 31.6	18,703	40
44518	Pegasus	7	35 16.00	2,861	66 40 5.1	18,704	198
44519	Pegasus	7	35 24.38	3,014	83 27 56.6	18,709	107
44520	Pegasus	7	22 35 27.86	+3,048	87 25 0.8	-18,710	185

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44521	Pegasus	8	22 35 27.87	+3,048	87 24 58.8	-18,710	108
44522	Pegasus	8	35 28.49	3,048	87 25 0.8	18,711	110
44523	Pegasus	9	35 31.72	3,014	83 23 40.4	18,712	107
44524	Aquarius	8	35 32.28	3,086	91 58 48.7	18,713	184
44525	Aquarius	7	35 41.22	3,173	102 12 44.4	18,717	190
44526	Pegasus	6	35 45.12	2,911	71 41 3.8	18,719	34
44527	Piscis Aust. ..	9	35 45.17	3,309	116 26 39.8	18,719	181
44528	Aquarius	8½	35 45.50	3,238	109 10 9.9	18,720	201
44529	Aquarius	8	35 46.15	3,238	109 20 1.8	18,720	194
44530	Lacerta	8	35 47.39	2,529	41 38 0.6	18,721	363
44531	Aquarius	8	35 48.62	3,161	100 44 21.4	18,721	572
44532	Aquarius	9	35 49.01	3,161	100 44 24.4	18,721	191
44533	Pegasus	9	35 51.12	2,912	71 46 41.9	18,722	34
44534	Lacerta	•	35 51.20	2,693	51 50 40.1	18,722	15
44535	Pegasus	9	35 53.35	2,863	66 43 47.0	18,724	198
44536	Lacerta	10	35 53.92	2,490	39 35 59.6	18,724	369
44537	Pegasus	8	35 56.34	2,984	79 50 46.3	18,725	40
44538	Pegasus	8½	36 7.05	2,756	56 43 33.7	18,731	302
44539	Pegasus	9	36 8.10	3,047	87 16 8.4	18,731	185
44540	Pegasus	7	36 14.11	2,913	71 47 55.8	18,734	34
44541	Pegasus	7	36 15.41	2,800	60 35 3.9	18,735	119
44542	Cepheus.....	8	36 16.27	2,442	37 17 19.5	18,736	304
44543	Piscis Aust. ..	8	36 22.34	3,328	118 25 53.1	18,739	569
44544	Lacerta	7	36 30.70	2,471	38 31 47.8	18,743	304
44545	Pegasus	8	36 32.38	3,038	86 8 23.0	18,744	117
44546	Aquarius	7½	36 34.46	3,217	107 11 35.0	18,745	185
44547	Pegasus	9	36 34.80	2,866	66 51 35.1	18,745	198
44548	Pegasus	9	36 35.33	2,866	66 48 5.0	18,746	198
44549	Pegasus	9	36 36.45	2,840	64 12 2.1	18,746	27
44550	Lacerta	8	36 38.02	2,614	46 12 42.0	18,747	2
44551	Aquarius	7½	36 39.80	3,230	108 35 59.1	18,748	194
44552	Pegasus ξ	5	36 42.29	2,976	78 50 47.9	18,749	39
44553	Lacerta	8½	36 42.31	2,659	49 9 56.2	18,749	5
44554	Pegasus ξ	5	36 42.62	2,976	78 50 54.4	18,750	38
44555	Pegasus ξ	5	36 42.65	2,976	78 50 52.7	18,750	40
44556	Lacerta	8	36 43.11	2,659	49 9 57.8	18,750	18
44557	Aquarius .. g³	6	36 47.70	3,249	110 39 10.4	18,752	201
44558	Pegasus	8	36 48.64	2,742	55 22 50.2	18,753	302
44559	Aquarius	7	36 51.70	3,101	93 45 31.2	18,754	571
44560	Aquarius	8	22 36 52.05	+3,234	109 7 57.5	-18,754	194

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44561	Pegasus	8	22 36 52.54	+2,952	76 3 9.8	-18,755	37
44562	Pegasus λ	4½	36 54.61	2,873	67 28 56.1	18,756	31
<u>44563</u>	Piscis Aust. ..	6	36 55.69	3,311	116 57 16.9	18,756	181
44564	Aquarius	8	36 56.21	3,134	97 46 51.9	18,756	197
44565	Lacerta	9	36 56.69	2,559	42 53 7.6	18,756	363
44566	Lacerta	8	37 0.67	2,707	52 32 56.6	18,759	15
<u>44567</u>	Lacerta	8	37 1.83	2,707	52 33 1.9	18,759	125
<u>44568</u>	Aquarius .. τ ¹	5½	37 4.54	3,197	105 6 22.4	18,761	181
44569	Aquarius .. τ ¹	5	37 4.91	3,197	105 6 23.5	18,761	185
44570	Aquarius .. τ ¹	6	37 4.95	3,197	105 6 24.6	18,761	190
44571	Pegasus	8	37 11.13	2,849	65 1 52.1	18,764	27
<u>44572</u>	Aquarius	8	37 12.04	3,093	92 50 14.6	18,765	184
<u>44573</u>	Pegasus	7½	37 12.64	2,850	65 14 41.3	18,765	27
44574	Pegasus	8	37 12.79	2,953	76 10 5.8	18,765	37
44575	Pegasus	7	37 14.70	2,933	73 48 54.9	18,766	37
44576	Cepheus.....	8	37 15.69	2,458	37 40 24.8	18,766	304
44577	Cepheus.....	7	37 17.34	2,467	38 4 27.3	18,767	304
<u>44578</u>	Pegasus	8	37 17.82	3,053	88 0 38.8	18,768	110
44579	Aquarius	8	37 18.08	3,063	89 8 44.2	18,768	185
44580	Lacerta	8	37 19.06	2,647	48 11 23.3	18,768	476
<u>44581</u>	Lacerta	6	37 19.50	2,622	46 30 20.1	18,769	2
<u>44582</u>	Pegasus	7½	37 22.69	3,030	85 9 21.5	18,770	108
<u>44583</u>	Pegasus	7	37 25.23	3,015	83 20 25.1	18,772	107
<u>44584</u>	Piscis Aust. ..	7	37 26.61	3,327	118 36 36.3	18,772	569
<u>44585</u>	Lacerta	8	37 26.72	2,710	52 37 12.9	18,772	125
<u>44586</u>	Lacerta	8	37 26.75	2,640	47 40 46.8	18,772	476
44587	Lacerta	8	37 27.53	2,633	47 10 55.5	18,772	3
44588	Lacerta	8½	37 28.26	2,633	47 10 42.6	18,773	18
44589	Lacerta	8	37 30.09	2,710	52 40 19.7	18,774	15
<u>44590</u>	Aquarius	7	37 30.94	3,113	95 15 45.3	18,774	187
44591	Aquarius	7	37 31.44	3,113	95 15 48.9	18,775	188
44592	Aquarius	7	37 31.70	3,113	95 15 40.9	18,775	182
44593	Cepheus.....	8½	37 32.07	1,501	16 42 49.9	18,775	364
44594	Lacerta	8	37 32.57	2,710	52 37 14.6	18,775	15
44595	Aquarius	9	37 32.81	3,113	95 16 48.9	18,775	188
44596	Piscis Aust. ..	8½	37 32.89	2,810	61 8 23.4	18,775	130
44597	Pegasus	9	37 33.04	2,747	55 16 43.4	18,775	302
44598	Pegasus	9	37 33.18	2,810	61 8 23.2	18,775	119
44599	Aquarius	9	37 33.31	3,101	93 45 23.3	18,775	571
44600	Aquarius	9½	22 37 33.76	+3,248	110 44 46.0	-18,776	201

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44601	Aquarius	9	22 37 35.69	+3,099	93 37 39.9	-18,777	571
44602	Cepheus	9½	37 35.79	1,386	15 36 35.5	18,777	364
44603	Lacerta	8	37 36.84	2,596	44 50 3.1	18,777	361
44604	Pegasus	8	37 37.28	2,871	67 3 49.1	18,778	198
44605	Lacerta	7½	37 37.37	2,596	44 49 56.2	18,778	242
44606	Lacerta	10	37 43.54	2,488	38 56 41.3	18,781	369
44607	Aquarius	8	37 52.18	1,225	108 18 20.1	18,785	194
44608	Pegasus	8	37 57.43	3,045	87 2 26.2	18,788	117
44609	Aquarius	6½	37 58.07	3,166	101 36 26.6	18,788	190
44610	Pegasus	7½	38 2.87	3,030	85 10 10.5	18,791	108
44611	Aquarius	8	38 4.42	3,298	115 58 17.6	18,792	181
44612	Aquarius	8	38 8.04	3,116	95 37 35.8	18,793	188
44613	Pegasus	9½	38 10.71	2,971	78 2 19.6	18,795	39
44614	Lacerta	8½	38 11.35	2,623	46 16 12.5	18,795	2
44615	Aquarius	8	38 11.61	3,222	108 2 51.5	18,795	194
44616	Pegasus	9	38 11.80	2,971	78 2 20.0	18,795	38
44617	Pegasus	8	38 19.65	2,810	60 55 6.8	18,799	119
44618	Pegasus	8	38 19.75	2,810	60 55 8.1	18,799	130
44619	Aquarius	6½	38 24.14	3,279	114 8 45.3	18,801	570
44620	Cepheus	8	38 25.35	2,460	37 24 44.3	18,802	304
44621	Pegasus	9	38 28.73	2,872	67 2 28.8	18,804	198
44622	Cepheus	8½	38 35.93	2,458	37 15 4.2	18,807	304
44623	Pegasus	8½	38 36.67	2,854	65 8 30.7	18,808	27
44624	Pegasus	8	38 36.71	3,014	83 12 19.6	18,808	107
44625	Pegasus	7½	38 37.24	3,014	83 12 30.6	18,808	303
44626	Aquarius	9	38 39.38	3,063	89 8 49.1	18,809	110
44627	Lacerta	8	38 39.70	2,602	44 50 35.0	18,809	242
44628	Aquarius	8½	38 40.58	3,063	89 8 54.0	18,810	185
44629	Cepheus	7½	38 42.69	0,339	9 39 14.8	18,811	351
44630	Cepheus	9	38 42.90	2,460	37 17 46.2	18,811	304
44631	Pegasus	7½	38 45.83	3,043	86 45 17.8	18,813	108
44632	Pegasus	8	38 46.95	3,043	86 45 19.5	18,813	117
44633	Lacerta	8½	38 50.63	2,660	48 31 16.6	18,815	476
44634	Pegasus	9	38 51.28	2,780	58 1 17.1	18,815	21
44635	Aquarius	8	38 53.32	3,172	102 24 7.8	18,816	190
44636	Pegasus	8½	38 54.85	2,992	80 31 7.3	18,817	40
44637	Aquarius	6	38 59.34	3,191	104 38 35.2	18,819	190
44638	Aquarius	4½	38 59.50	3,191	104 38 32.8	18,820	18
44639	Lacerta	7	38 59.74	2,470	37 40 8.6	18,820	304
44640	Lacerta	8	22 39 1.80	+2,705	51 46 47.4	-18,820	15

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44641	Pegasus	8	22	39	2.02	+2,833	62	55	39.7	-18,820	130
44642	Lacerta	6½		39	2.77	2,729	53	37	55.5	18,821	125
44643	Pegasus	8		39	4.48	2,802	59	57	2.8	18,822	119
44644	Pegasus	8		39	6.16	2,921	72	11	0.5	18,823	34
44645	Aquarius	6		39	8.81	3,250	111	20	17.3	18,824	349
44646	Aquarius	8		39	9.41	3,250	111	20	15.0	18,824	201
44647	Lacerta	8½		39	10.32	2,601	44	36	23.6	18,825	242
44648	Pegasus	8½		39	10.39	3,057	88	26	54.4	18,825	185
44649	Pegasus	9		39	10.53	3,057	88	26	55.3	18,825	110
44650	Pegasus	8½		39	11.51	2,855	65	2	49.5	18,826	27
44651	Cepheus	8½		39	18.41	1,525	16	37	22.1	18,829	364
44652	Pegasus	8½		39	23.01	2,780	57	52	51.7	18,831	21
44653	Aquarius	8½		39	24.40	3,214	107	21	58.9	18,832	194
44654	Cepheus	9½		39	28.65	2,503	39	4	19.8	18,834	369
44655	Pegasus	7½		39	32.11	2,993	80	34	20.3	18,836	40
44656	Lacerta	8		39	33.07	2,549	41	28	12.0	18,837	363
44657	Aquarius	9		39	35.59	3,163	101	27	35.7	18,837	190
44658	Aquarius	8		39	36.34	3,101	93	52	11.7	18,838	571
44659	Pegasus	8		39	37.69	2,876	67	9	28.7	18,839	198
44660	Lacerta	8		39	43.10	2,718	52	31	27.9	18,841	15
44661	Aquarius	8½		39	47.08	3,194	105	6	47.2	18,843	190
44662	Aquarius	8		39	47.56	3,138	98	30	48.6	18,843	197
44663	Pegasus	8½		39	59.89	2,873	66	42	19.3	18,850	198
44664	Pegasus	8		40	1.17	2,790	58	31	25.3	18,850	21
44665	Pegasus	8½		40	18.61	2,828	62	6	41.8	18,859	130
44666	Aquarius	7		40	20.62	3,137	98	21	58.2	18,860	197
44667	Pegasus μ	4		40	21.74	2,871	66	27	4.1	18,861	198
44668	Pegasus μ	4		40	22.16	2,871	66	26	51.9	18,861	244
44669	Aquarius	7½		40	24.49	3,280	114	49	19.1	18,862	570
44670	Aquarius	7½		40	26.23	3,083	91	37	54.0	18,863	184
44671	Lacerta	9		40	27.18	2,556	41	32	21.7	18,864	363
44672	Pegasus	7½		40	28.23	3,046	86	58	54.9	18,864	108
44673	Pegasus	8		40	28.97	3,046	86	58	55.6	18,864	117
44674	Pegasus	7½		40	29.01	3,046	86	59	0.1	18,864	110
44675	Cepheus	8½		40	30.75	1,535	16	29	49.4	18,865	364
44676	Cepheus	8		40	31.64	1,025	12	32	4.3	18,866	351
44677	Lacerta	9		40	33.81	2,618	45	9	23.0	18,867	242
44678	Lacerta .....	.		40	34.56	2,649	47	12	39.6	18,867	3
44679	Lacerta	8		40	35.27	2,649	47	12	46.6	18,867	2
44680	Lacerta	8	22	40	35.95	+2,511	39	4	58.8	-18,868	304

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44681	Lacerta	8½	22 40 36.92	+2,585	43 7 31.9	-18,868	363
44682	Pegasus	8½	40 37.02	2,826	61 46 32.5	18,868	130
44683	Lacerta	8½	40 40.24	2,675	49 0 8.5	18,870	18
44684	Lacerta .....	.	40 41.02	2,667	48 25 23.7	18,870	3
44685	Lacerta	6½	40 41.22	2,667	48 25 29.5	18,870	476
44686	Aquarius	8	40 43.08	3,153	100 22 42.6	18,871	572
44687	Aquarius	9	40 43.34	3,153	100 22 45.4	18,871	191
44688	Pegasus	8½	40 43.47	2,873	66 31 36.1	18,871	198
44689	Lacerta	9	40 47.17	2,531	40 4 10.2	18,873	369
44690	Pegasus	6	40 52.46	2,922	71 54 52.8	18,876	34
44691	Lacerta	8½	41 0.65	2,746	54 20 48.7	18,880	125
44692	Pegasus	7½	41 3.88	2,932	73 3 16.1	18,882	37
44693	Pegasus	7½	41 3.96	2,932	73 3 17.0	18,882	34
44694	Aquarius	9	41 4.36	3,190	104 55 0.1	18,882	191
44695	Pegasus	8	41 4.49	2,765	55 58 55.4	18,882	302
44696	Pegasus	8½	41 12.92	3,040	86 16 5.3	18,886	108
44697	Pegasus	9	41 13.88	3,040	86 16 9.2	18,886	117
44698	Lacerta	8½	41 15.27	2,680	49 7 53.5	18,887	18
44699	Pegasus	8½	41 15.45	2,795	58 36 44.1	18,887	21
44700	Aquarius	8½	41 15.51	3,092	92 52 11.2	18,887	571
44701	Aquarius	8	41 15.65	3,092	92 52 2.0	18,887	184
44702	Pegasus	9	41 18.42	3,039	86 2 59.6	18,889	108
44703	Lacerta	9	41 18.46	2,551	41 2 27.9	18,889	363
44704*	Lacerta	7	41 21.47	2,680	49 6 9.6	18,890	5
44705	Lacerta	6	41 21.69	2,680	49 6 7.1	18,890	476
44706	Lacerta	5½	41 21.70	2,680	49 6 7.2	18,890	3
44707	Lacerta	6½	41 22.27	2,680	49 6 11.5	18,890	18
44708	Pegasus	9½	41 26.16	2,967	77 5 57.7	18,893	39
44709	Aquarius	9	41 26.46	3,232	109 50 23.7	18,893	201
44710	Pegasus	9	41 26.75	2,967	77 5 56.2	18,893	38
44711	Aquarius	8½	41 29.11	3,064	89 16 34.8	18,894	185
44712*	Pegasus	7½	41 32.13	3,040	86 16 15.2	18,896	108
44713	Pegasus	9	41 32.88	3,040	86 16 17.2	18,896	117
44714	Pegasus	9	41 34.83	2,774	56 35 38.0	18,897	302
44715	Lacerta	8½	41 37.18	2,542	40 22 44.2	18,898	369
44716	Lacerta	8½	41 45.28	2,681	49 2 53.3	18,902	18
44717	Pegasus	8½	41 46.80	2,830	61 49 18.3	18,903	130
44718	Pegasus	7½	41 47.60	2,775	56 40 26.0	18,903	302
44719	Aquarius	8	41 52.69	3,293	116 34 14.8	18,905	181
44720	Aquarius	7½	22 41 52.83	+3,233	110 5 40.6	-18,906	201

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44721	Pegasus	6½	22 41 52.92	+2,858	64 39 55.2	-18,906	27
44722	Pegasus	7	41 53.72	2,958	75 58 20.5	18,906	37
44723	Aquarius	8½	41 57.48	3,290	116 15 53.5	18,908	181
44724	Cepheus.....	8	42 1.74	0,689	10 36 58.6	18,910	151
44725	Lacerta	9	42 8.82	2,747	54 7 41.5	18,913	125
44726	Lacerta	7	42 9.07	2,666	47 49 9.7	18,913	476
44727	Lacerta	8	42 9.23	2,666	47 49 3.7	18,913	3
44728	Aquarius .. λ	4	42 10.24	3,137	98 38 20.9	18,914	191
44729	Aquarius .. λ	4	42 10.72	3,137	98 38 19.7	18,914	197
44730	Aquarius .. λ	4	42 10.92	3,137	98 38 24.1	18,914	188
44731	Aquarius .. λ	4	42 11.11	3,137	98 38 23.8	18,914	187
44732	Pegasus	7½	42 11.52	2,794	58 14 28.4	18,915	21
44733	Aquarius .. λ	4	42 11.55	3,137	98 38 19.7	18,915	182
44734	Aquarius	6	42 12.63	3,157	101 7 3.1	18,915	572
44735	Aquarius	7	42 12.99	3,157	101 7 3.0	18,915	190
44736	Aquarius	8	42 13.13	3,289	116 12 22.5	18,915	181
44737	Aquarius	9	42 14.80	3,182	104 9 24.4	18,916	191
44738	Lacerta	7	42 15.17	2,520	39 0 17.5	18,917	304
44739	Pegasus σ	6	42 16.02	3,001	81 13 29.5	18,917	40
44740	Pegasus σ	6	42 16.06	3,001	81 13 29.7	18,917	126
44741	Lacerta	8½	42 16.15	2,753	54 33 12.5	18,917	125
44742	Aquarius	8	42 20.69	3,098	93 41 8.3	18,919	571
44743	Pegasus	6½	42 22.55	3,050	87 30 20.9	18,920	185
44744	Pegasus	6½	42 22.78	3,050	87 30 19.7	18,920	110
44745	Lacerta	9	42 23.42	2,584	42 26 12.1	18,920	363
44746	Lacerta	8½	42 23.69	2,750	54 15 8.3	18,920	125
44747	Pegasus	9	42 27.78	3,031	85 2 18.0	18,923	107
44748	Pegasus	7	42 29.71	2,952	75 10 26.2	18,924	37
44749	Pegasus	8½	42 31.31	2,830	61 39 20.0	18,924	130
44750	Lacerta	8	42 31.58	2,583	42 19 27.0	18,925	163
44751	Lacerta	9	42 35.22	2,748	53 59 32.1	18,926	125
44752	Lacerta	7	42 36.61	2,518	38 47 17.2	18,926	104
44753	Lacerta .....	.	42 44.07	2,695	49 43 29.7	18,930	5
44754	Pegasus	8½	42 51.40	3,047	87 1 20.1	18,934	117
44755	Pegasus	8	42 51.46	2,766	55 30 37.7	18,934	302
44756	Aquarius	6	42 56.16	3,169	102 40 31.3	18,936	190
44757	Cepheus.....	9	42 59.09	1,570	16 23 17.4	18,937	164
44758	Lacerta	5	43 2.14	2,669	47 44 51.3	18,939	3
44759	Lacerta	5	43 2.23	2,670	47 49 50.7	18,939	476
44760	Lacerta	5½	22 43 2.75	+2,669	47 44 52.3	-18,939	18

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44761	Lacerta	8	22	43	2.94	+2,618	44	19	20.6	-18,940	363
44762	Lacerta	7½	43	3.01	2,619	44	19	20.7	18,940	242	
44763	Aquarius	7½	43	4.44	3,124	97	2	38.4	18,940	188	
44764	Lacerta	8	43	4.88	2,729	52	18	42.6	18,940	15	
44765	Aquarius	9	43	11.59	3,095	93	21	44.6	18,943	571	
44766	Pegasus	5½	43	12.14	2,945	74	12	57.0	18,944	37	
44767	Aquarius	8½	43	12.29	3,095	93	21	45.0	18,944	184	
44768	Aquarius	9	43	14.45	3,125	97	10	13.7	18,945	188	
44769	Pegasus	7	43	16.71	2,770	55	43	14.9	18,946	302	
44770	Cepheus.....	7½	43	18.49	2,508	38	1	47.4	18,947	304	
44771	Pegasus	8½	43	20.16	2,948	74	32	52.3	18,948	37	
44772	Pegasus	8½	43	20.31	2,833	61	41	54.9	18,948	130	
44773	Aquarius	7	43	20.70	3,231	110	14	7.3	18,948	201	
44774	Aquarius	9	43	21.02	3,135	98	27	2.9	18,948	197	
44775	Aquarius	7½	43	25.00	3,284	116	2	37.2	18,950	181	
44776	Pegasus	8½	43	25.91	3,045	86	49	30.8	18,950	108	
44777	Pegasus	8½	43	25.94	3,045	86	49	25.8	18,951	117	
44778	Lacerta	8½	43	29.31	2,658	46	46	32.3	18,952	2	
44779	Aquarius	8	43	33.33	3,173	103	14	54.1	18,954	191	
44780	Aquarius	7½	43	33.73	3,173	103	14	53.6	18,954	190	
44781	Pegasus	7	43	35.63	2,857	64	4	47.0	18,955	27	
44782	Pisces.....	7	43	39.00	3,064	89	12	54.3	18,957	110	
44783	Pisces.....	7½	43	39.09	3,064	89	12	56.3	18,957	185	
44784	Pisces.....	7½	43	39.61	3,064	89	12	57.4	18,957	118	
44785	Lacerta	8½	43	41.90	2,666	47	16	17.2	18,958	476	
44786	Lacerta	7	43	49.90	2,734	52	26	25.6	18,962	15	
44787	Cepheus.....	9	43	57.61	1,498	15	29	40.0	18,965	364	
44788	Lacerta	8	43	59.45	2,627	44	30	37.5	18,966	363	
44789	Lacerta	7	43	59.60	2,627	44	30	36.7	18,967	242	
44790	Aquarius	8½	44	0.87	3,082	92	6	24.8	18,967	184	
44791	Aquarius .. δ	3½	44	0.98	3,202	106	52	47.3	18,967	194	
44792	Aquarius .. δ	3	44	1.11	3,202	106	52	42.9	18,967	181	
44793	Aquarius .. δ	3	44	1.38	3,202	106	52	48.2	18,967	185	
44794	Pegasus	9	44	2.64	3,035	85	28	31.9	18,968	108	
44795	Lacerta	7½	44	3.78	2,716	50	53	29.4	18,968	5	
44796	Aquarius,	7	44	4.81	3,258	113	25	8.7	18,969	570	
44797	Aquarius	6½	44	4.97	3,258	113	25	5.9	18,969	349	
44798	Pegasus	8	44	7.28	2,822	60	17	47.1	18,970	119	
44799	Aquarius	6½	44	9.00	3,205	107	19	42.1	18,971	194	
44800	Aquarius	6	22	44	9.08	+3,133	98	15	48.3	-18,971	197

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44801	Aquarius	6	22 44 9.55	+3,205	107 19 41.7	-18,971	185
44802	Aquarius	6	44 9.72	3,133	98 15 47.3	18,971	182
44803	Pegasus	9½	44 14.13	2,957	76 42 32.6	18,973	39
44804	Pegasus	7½	44 17.18	2,924	71 27 51.6	18,975	34
44805	Pegasus	7½	44 17.55	2,843	62 25 56.3	18,975	123
44806	Pegasus	7½	44 17.64	2,843	62 25 53.3	18,975	130
44807	Andromeda ..	8	44 20.78	2,738	52 36 56.6	18,977	15
44808	Pegasus	7	44 22.21	2,922	71 9 39.2	18,977	34
44809	Pegasus	7	44 22.40	2,922	71 9 39.3	18,977	33
44810	Aquarius	9	44 26.65	3,169	100 26 10.0	18,979	572
44811	Lacerta	8½	44 35.04	2,672	47 24 34.2	18,983	476
44812	Lacerta	9	44 35.25	2,672	47 24 32.5	18,983	3
44813	Pegasus	8	44 39.50	2,850	63 2 25.8	18,985	130
44814	Pegasus	7½	44 39.64	3,023	81 48 3.8	18,985	107
44815	Pegasus	7	44 40.10	2,850	63 2 30.5	18,985	27
44816	Pegasus	7½	44 40.44	2,850	63 2 30.7	18,986	123
44817	Pegasus	8	44 42.38	2,788	56 50 54.0	18,987	21
44818	Pegasus	8	44 42.47	2,788	56 50 52.9	18,987	302
44819	Cepheus	9	44 43.13	1,555	15 53 46.2	18,987	364
44820	Aquarius	8	44 43.19	3,135	98 36 5.3	18,987	197
44821	Lacerta	5	44 44.78	2,658	46 18 42.4	18,988	2
44822	Pegasus	7	44 45.22	2,947	74 7 6.5	18,988	37
44823	Aquarius	7	44 45.41	3,237	111 12 8.2	18,988	201
44824	Pisces	7	44 45.60	3,070	89 59 48.8	18,988	118
44825	Aquarius	6	44 48.19	3,115	96 2 58.2	18,989	188
44826	Pisces	9	44 48.20	3,084	91 50 39.0	18,989	184
44827	Aquarius	8	44 57.62	3,121	96 45 7.3	18,994	188
44828	Lacerta	7	44 58.07	2,717	50 41 11.4	18,994	5
44829	Pegasus	7½	45 1.42	2,884	66 40 28.5	18,995	198
44830	Andromeda ..	9	45 3.37	2,601	42 29 19.2	18,996	363
44831	Pegasus	8	45 5.34	3,006	81 36 7.2	18,998	196
44832	Aquarius	9	45 7.10	3,120	96 38 47.9	18,998	188
44833	Pegasus	8	45 9.30	3,022	83 36 36.2	18,999	107
44834	Pegasus ρ	6	45 9.42	3,011	82 14 53.2	18,999	196
44835	Aquarius	9	45 9.50	3,239	111 35 34.5	18,999	349
44836	Pegasus ρ	5½	45 9.90	3,011	82 14 50.6	18,999	126
44837	Pegasus	7	45 14.20	2,926	71 30 6.4	19,002	34
44838	Pisces	9	45 16.65	3,042	86 14 29.4	19,003	108
44839	Pisces	8	45 16.77	3,042	86 14 31.4	19,003	117
44840	Pegasus	8	22 45 18.32	+2,818	59 34 55.3	-19,003	119

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44841	Aquarius	2	22	45	19.33	+3.099	23	54	9.0	-19.004	571
44842	Lacerta	7½	45	21.52	2.678	2.678	47	32	2.3	19.005	476
44843	Lacerta	8	45	21.60	2.678	2.678	47	32	4.3	19.005	3
44844	Pegasus	8	45	21.82	2.790	2.790	56	49	4.8	19.005	302
44845	Pegasus	6½	45	22.49	2.852	2.852	63	3	15.9	19.006	27
44846	Pegasus	7½	45	22.82	2.852	2.852	63	3	11.7	19.006	130
44847	Pegasus	7	45	22.94	2.852	2.852	63	3	14.6	19.006	123
44848	Pegasus	8	45	24.62	2.771	2.771	55	4	38.4	19.006	125
44849	Aquarius	2	45	35.26	3.181	3.181	104	37	6.2	19.011	191
44850	Lacerta	8	45	41.38	2.693	2.693	48	33	3.4	19.014	476
44851	Pegasus	2	45	41.63	2.772	2.772	55	2	6.4	19.014	125
44852	Pisces	2	45	45.11	3.063	3.063	89	6	34.8	19.016	110
44853	Pisces	8½	45	45.56	3.063	3.063	89	6	36.8	19.016	185
44854	Andromeda ..	6½	45	45.77	2.760	2.760	53	59	12.5	19.016	125
44855	Pegasus	8	45	57.34	3.002	3.002	81	36	10.6	19.021	126
44856	Pegasus	8	46	8.65	2.772	2.772	54	54	12.2	19.027	125
44857	Aquarius	7½	46	19.18	3.154	3.154	101	19	33.1	19.032	572
44858	Aquarius	8	46	19.54	3.154	3.154	101	19	39.3	19.032	190
44859	Andromeda ..	8½	46	20.68	2.645	2.645	44	51	24.8	19.032	242
44860	Aquarius	8½	46	22.11	3.235	3.235	111	24	19.9	19.033	349
44861	Pegasus	8	46	24.25	3.027	3.027	84	15	30.5	19.034	107
44862	Pegasus	6	46	26.49	2.771	2.771	54	42	46.9	19.035	125
44863	Pegasus	8½	46	26.80	2.980	2.980	78	0	29.2	19.035	38
44864	Lacerta	8	46	29.88	2.687	2.687	47	46	13.2	19.037	3
44865	Lacerta	8½	46	29.91	2.687	2.687	47	46	9.6	19.037	476
44866	Piscis Aust. α	1	46	33.56	3.319	3.319	120	40	14.8	19.038	181
44867	Piscis Aust. α	.	46	34.02	3.320	3.320	120	40	31.7	19.038	569
44868	Pegasus	8	46	40.55	2.901	2.901	68	6	22.5	19.042	31
44869	Aquarius . . . .	.	46	44.17	3.097	3.097	93	46	23.8	19.043	571
44870	Lacerta	8	46	45.64	2.685	2.685	47	30	17.9	19.044	3
44871	Lacerta	8	46	46.08	2.685	2.685	47	30	21.3	19.044	476
44872	Aquarius	7	46	47.30	3.101	3.101	94	18	34.4	19.045	187
44873	Lacerta	6	46	47.93	2.675	2.675	46	45	17.3	19.045	2
44874	Andromeda ..	8	46	48.49	2.714	2.714	49	43	33.5	19.045	5
44875	Pegasus	8	46	50.28	2.780	2.780	55	22	10.1	19.046	302
44876	Pegasus	7	46	52.04	2.990	2.990	79	12	57.7	19.047	40
44877	Aquarius	7½	46	52.56	3.234	3.234	111	20	24.3	19.047	349
44878	Andromeda ..	8	46	53.93	2.541	2.541	38	26	26.4	19.048	304
44879	Aquarius	6½	46	55.04	3.101	3.101	94	18	41.4	19.048	187
44880	Aquarius	7	22	46	55.66	+3.113	95	52	28.4	-19.048	188

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44881	Cepheus.....	7½	22 46 59.24	+0.851	10 41 33.6	-19.050	351
44882	Aquarius	6½	47 6.21	3.114	96 0 28.9	19.053	187
44883	Andromeda ..	9	47 9.42	2.642	44 21 58.0	19.055	242
44884	Lacerta	6	47 16.96	2.713	49 27 40.2	19.058	5
44885	Pegasus	8	47 18.97	2.796	56 43 18.5	19.059	302
44886	Andromeda ..	9	47 20.91	2.648	44 41 26.5	19.060	364
44887	Pisces.....	6½	47 21.41	3.050	87 15 20.2	19.060	108
44888	Pisces.....	6	47 21.55	3.050	87 15 23.2	19.060	110
44889	Pisces.....	6½	47 21.91	3.050	87 15 22.8	19.060	117
44890	Pegasus	8½	47 22.56	2.887	66 22 57.9	19.061	198
44891	Andromeda ..	8	47 24.40	2.695	48 3 9.8	19.062	476
44892	Pegasus	8	47 25.89	2.778	55 2 12.7	19.062	125
44893	Pegasus	8	47 28.37	2.891	66 47 55.3	19.063	199
44894	Pegasus	5	47 38.84	2.921	70 18 6.5	19.068	31
44895	Andromeda ..	6½	47 40.92	2.598	41 19 48.9	19.069	369
44896	Andromeda ..	8½	47 41.71	2.774	54 33 33.6	19.070	125
44897	Andromeda ..	5	47 41.85	2.598	41 19 50.0	19.070	363
44898	Andromeda ..	8½	47 45.35	2.636	43 41 37.2	19.071	242
44899	Aquarius	6½	47 46.85	3.101	94 18 41.3	19.072	571
44900	Pegasus	8	47 48.61	2.819	58 51 58.2	19.073	303
44901	Aquarius	8	47 57.76	3.258	114 30 54.3	19.077	570
44902	Pegasus	8½	47 59.02	2.978	77 27 23.2	19.077	38
44903	Pegasus	9½	48 4.43	2.844	61 21 40.6	19.080	123
44904	Pisces.....	•	48 5.81	3.088	92 28 36.1	19.081	184
44905	Aquarius	7	48 5.84	3.100	94 13 10.0	19.081	571
44906	Aquarius	9½	48 8.24	3.110	95 34 3.2	19.081	188
44907	Pegasus	8	48 13.30	2.895	66 58 21.4	19.084	199
44908	Andromeda ..	6	48 14.74	2.618	42 22 50.0	19.085	363
44909	Aquarius	7½	48 17.84	3.100	94 13 10.0	19.086	571
44910	Pegasus	8½	48 17.87	2.970	76 20 27.5	19.086	37
44911*	Aquarius	•	48 18.02	3.100	94 12 56.0	19.086	187
44912	Pegasus	8	48 18.31	3.022	83 26 13.3	19.086	107
44913	Pisces.....	9	48 20.21	3.053	87 37 5.2	19.087	185
44914	Pegasus	8½	48 20.70	2.995	79 46 54.3	19.087	40
44915	Lacerta	7	48 20.95	2.700	48 3 16.7	19.087	476
44916	Lacerta	7	48 21.00	2.700	48 3 15.8	19.087	3
44917	Pegasus	•	48 22.16	2.923	70 19 24.3	19.088	33
44918	Andromeda ..	7	48 23.04	2.745	51 40 34.6	19.088	15
44919	Pegasus	8	48 25.97	3.006	81 14 32.6	19.090	126
44920	Pegasus	7	22 48 26.84	+3.010	81 42 3.3	-19.090	126

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44921	Pegasus	7½	22 48 26.96	+3,010	81 42 3.9	-19,090	196
44922	Andromeda ..	6	48 28.08	2,746	51 45 21.7	19,090	15
44923	Cepheus	8½	48 28.58	1,679	16 27 6.6	19,091	364
44924	Pegasus	9	48 29.23	2,807	57 20 48.4	19,091	303
44925	Andromeda ..	8½	48 32.75	2,648	44 14 35.7	19,092	242
44926	Aquarius	8½	48 33.03	3,205	108 13 40.2	19,093	194
44927	Aquarius	9½	48 34.01	3,137	99 16 48.4	19,093	191
44928	Pegasus	8	48 34.26	3,039	85 43 30.7	19,093	108
44929	Cepheus	10	48 35.55	1,688	16 31 19.6	19,094	364
44930	Pisces	8	48 36.56	3,080	91 22 59.9	19,094	118
44931	Pegasus	6½	48 37.59	3,025	83 43 20.9	19,095	107
44932	Andromeda ..	9½	48 49.54	2,782	54 49 46.6	19,100	125
44933	Pisces	•	48 50.96	3,086	92 14 48.4	19,101	184
44934	Andromeda ..	8½	48 51.08	2,572	39 24 5.2	19,101	304
44935	Andromeda ..	8	48 55.69	2,783	54 52 31.7	19,102	125
44936	Pegasus	8	49 2.49	3,033	84 55 5.8	19,106	108
44937	Aquarius	6½	49 2.83	3,172	104 9 11.6	19,106	191
44938	Aquarius	8	49 8.20	3,198	107 27 18.4	19,108	194
44939	Pisces	7½	49 9.43	3,046	86 42 16.6	19,109	108
44940	Pisces	8	49 9.58	3,046	86 42 16.4	19,109	117
44941	Aquarius	8	49 10.25	3,098	93 57 10.1	19,109	187
44942	Aquarius	7½	49 10.33	3,098	93 57 14.4	19,109	571
44943	Pegasus	7	49 11.58	2,993	79 20 9.8	19,110	39
44944	Pegasus	6½	49 11.77	2,993	79 20 13.5	19,110	40
44945	Pegasus	7	49 11.87	2,993	79 20 9.3	19,110	38
44946	Pisces	6	49 12.19	3,070	90 6 4.2	19,110	118
44947	Aquarius	6	49 15.12	3,270	116 13 45.2	19,111	181
44948	Pegasus	8	49 18.65	2,868	63 34 1.9	19,113	27
44949	Pegasus	8	49 19.14	2,868	63 34 0.4	19,113	123
44950	Pegasus	8½	49 20.28	2,937	71 53 40.8	19,114	34
44951	Aquarius	9	49 20.43	3,108	95 25 47.7	19,114	188
44952	Pegasus	9	49 22.57	2,866	63 19 17.6	19,115	27
44953	Pegasus	8	49 22.60	2,866	63 19 16.1	19,115	123
44954	Aquarius	7½	49 25.82	3,278	117 12 46.6	19,116	569
44955	Pegasus	8½	49 32.78	2,898	67 2 16.1	19,119	199
44956	Aquarius	8½	49 32.83	3,278	117 12 1.3	19,119	569
44957	Pegasus	8	49 34.63	2,807	56 59 58.5	19,120	302
44958	Aquarius	9	49 38.54	3,156	102 1 58.8	19,122	190
44959	Aquarius	9	49 38.74	3,097	93 55 54.4	19,122	571
44960	Pegasus	7½	22 49 42.34	+3,025	83 42 36.6	-19,123	107

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44961	Andromeda ..	.	22 49 42.39	+2,696	47 13 46.8	-19,123	476
44962	Andromeda ..	7½	49 42.42	2,696	47 13 43.6	19,123	3
44963	Andromeda ..	7	49 42.65	2,696	47 13 44.8	19,124	2
44964	Aquarius	8	49 42.71	3,246	113 36 2.4	19,124	349
44965	Cepheus.....	8	49 43.15	1,197	12 9 49.2	19,124	351
44966	Pegasus	7	49 50.27	3,041	85 54 34.8	19,127	108
44967	Pegasus	8	49 50.70	3,041	85 54 36.1	19,127	117
44968	Andromeda ..	9	49 52.04	2,663	44 44 24.7	19,128	364
44969	Aquarius	8	49 52.58	3,140	99 56 49.6	19,128	191
44970	Aquarius	9	49 52.64	3,267	116 3 8.5	19,128	181
44971	Andromeda ..	8½	49 52.67	2,663	44 44 28.1	19,128	242
44972	Aquarius	6	49 52.95	3,140	99 56 52.6	19,128	572
44973	Pegasus	7½	50 0.85	3,025	83 41 7.5	19,132	107
44974	Pegasus	8½	50 6.15	2,886	65 25 31.6	19,134	199
44975	Aquarius	8½	50 10.48	3,180	105 19 36.1	19,136	185
44976	Aquarius	9	50 11.04	3,180	105 19 32.1	19,136	191
44977	Pegasus	8	50 12.72	2,815	57 32 40.5	19,137	21
44978	Pegasus	8	50 13.11	2,978	77 8 42.0	19,137	37
44979	Pegasus	8	50 13.52	2,815	57 32 35.6	19,137	303
44980	Aquarius	8	50 14.16	3,219	110 25 1.8	19,137	201
44981	Aquarius	9	50 15.79	3,109	95 37 18.2	19,138	188
44982	Pegasus	7½	50 17.75	2,923	69 50 49.3	19,139	33
44983	Pisces.....	7	50 21.96	3,076	90 53 1.6	19,141	118
44984	Andromeda ..	8	50 22.83	2,779	53 57 35.8	19,141	125
44985	Pegasus	8	50 23.10	2,979	77 12 22.1	19,141	37
44986	Andromeda ..	7	50 26.23	2,699	47 9 18.8	19,143	476
44987	Andromeda ..	8	50 26.44	2,699	47 9 15.3	19,143	3
44988	Andromeda ..	7½	50 26.78	2,699	47 9 18.5	19,143	2
44989	Pegasus	9	50 27.80	2,812	57 12 40.7	19,143	302
44990	Pisces.....	8	50 27.88	3,046	86 36 9.2	19,144	117
44991	Pisces.....	8½	50 30.27	3,055	87 52 57.5	19,144	185
44992	Pisces.....	8½	50 30.52	3,055	87 52 34.1	19,144	110
44993	Pisces.....	6	50 31.26	3,056	88 3 8.8	19,145	185
44994	Pisces.....	6½	50 31.59	3,056	88 3 8.5	19,145	110
44995	Pegasus	8	50 32.42	3,016	82 19 10.5	19,145	196
44996	Andromeda ..	6	50 32.51	2,566	38 25 4.0	19,145	304
44997	Pegasus —....	8½	50 32.60	3,016	82 19 14.7	19,145	127
44998	Andromeda ..	7	50 32.90	2,573	38 45 54.3	19,146	304
44999	Andromeda ..	9	50 33.63	2,573	38 45 54.7	19,146	369
45000	Aquarius	6	22 50 34.42	+3,246	113 51 31.0	-19,146	349

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45001*	Pegasus	7½	22 50 34.66	+2,982	77 35 58.3	-19,146	39
45002	Pisces.....	8½	50 34.73	3,054	87 43 20.1	19,146	185
45003	Pisces.....	8	50 35.01	3,054	87 43 23.7	19,147	110
45004	Pegasus	8½	50 35.11	2,982	77 35 56.9	19,147	38
45005	Aquarius	9	50 35.30	3,265	116 8 37.6	19,147	181
45006	Aquarius	6½	50 35.99	3,246	113 51 35.1	19,147	570
45007	Pegasus	10	50 40.26	3,005	80 46 22.1	19,149	40
45008	Aquarius	8	50 40.59	3,144	100 37 6.0	19,149	572
45009	Aquarius	8	50 40.70	3,144	100 37 5.0	19,149	191
45010	Cepheus.....	9	50 41.14	1,596	15 7 30.0	19,149	364
45011	Pegasus	9	50 41.81	2,817	57 37 25.5	19,149	303
45012	Andromeda ..	9	50 41.82	2,672	45 0 38.3	19,149	242
45013	Cepheus.....	9½	50 45.84	0,990	10 49 47.2	19,151	351
45014	Aquarius	7½	50 46.80	3,243	113 29 16.5	19,151	349
45015	Aquarius	8	50 50.35	3,179	105 20 19.1	19,153	191
45016	Andromeda ..	.	50 57.18	2,778	53 43 26.5	19,156	125
45017	Aquarius	6½	50 59.45	3,126	98 7 49.9	19,157	197
45018	Pegasus	7½	51 1.99	2,923	69 41 21.9	19,158	33
45019	Pegasus	8½	51 7.40	3,022	83 4 20.7	19,160	127
45020	Pisces.....	8½	51 7.48	3,076	90 56 53.6	19,161	118
45021	Pegasus	9	51 8.33	2,881	64 34 0.8	19,161	27
45022	Aquarius	6½	51 9.88	3,110	95 46 55.5	19,162	189
45023	Pegasus	6½	51 11.15	2,841	59 59 16.4	19,162	119
45024	Aquarius	8	51 18.24	3,095	93 43 30.0	19,165	571
45025	Aquarius	7½	51 18.85	3,178	105 20 23.0	19,166	185
45026	Aquarius	8	51 21.89	3,125	98 1 50.6	19,167	197
45027	Aquarius	9	51 23.62	3,263	116 10 8.0	19,167	181
45028	Aquarius	8	51 25.83	3,103	94 54 24.4	19,169	187
45029	Pegasus	8	51 27.70	2,880	64 17 15.4	19,169	27
45030	Pisces.....	7½	51 28.67	3,046	86 36 12.0	19,169	108
45031	Andromeda ..	9½	51 29.20	2,649	43 8 51.9	19,170	363
45032	Pisces.....	7	51 32.36	3,053	87 32 9.6	19,171	185
45033	Pisces.....	7	51 32.54	3,053	87 32 12.1	19,171	110
45034	Andromeda ..	6	51 32.93	2,686	45 41 28.7	19,171	2
45035	Aquarius	8½	51 35.62	3,183	106 2 47.8	19,173	185
45036	Aquarius	8	51 36.75	3,095	93 45 21.1	19,173	571
45037	Andromeda ..	6½	51 37.58	2,767	52 21 40.5	19,173	15
45038	Aquarius	8	51 41.06	3,250	114 39 17.1	19,175	570
45039	Cepheus.....	10	51 43.67	1,621	15 9 26.7	19,176	364
45040	Pegasus	8	22 51 47.01	+2,864	62 21 31.9	-19,177	125

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			h m s	s	° ' "	"	
45041	Pegasus	9	22 51 48.63	+2,965	75 6 56.1	-19,178	37
45042	Pegasus	8½	51 50.19	3,017	82 24 52.5	19,179	196
45043	Pegasus	9	51 50.37	3,017	82 24 46.7	19,179	127
45044	Pegasus	8	51 50.59	2,911	67 59 46.1	19,180	31
45045	Aquarius	9	51 53.72	3,156	102 22 24.0	19,181	190
45046	Pegasus	9	51 54.32	2,811	56 31 21.9	19,181	302
45047	Aquarius	7½	51 57.65	3,209	109 36 51.7	19,182	201
45048	Andromeda ..	9	51 59.83	2,666	44 5 20.0	19,183	242
45049	Aquarius	6	52 2.56	3,217	111 56 4.7	19,184	349
45050	Aquarius	8	52 2.98	3,148	101 20 11.7	19,185	190
45051	Pegasus	8	52 4.10	2,830	58 27 28.2	19,185	303
45052	Pegasus	8½	52 4.45	2,830	58 27 36.1	19,185	21
45053	Pegasus	6½	52 5.28	2,937	71 14 4.6	19,185	34
45054	Pegasus	7	52 5.32	2,937	71 14 3.6	19,185	33
45055	Aquarius	7	52 9.33	3,122	97 38 27.4	19,187	197
45056	Andromeda ..	7	52 9.65	2,705	46 52 20.7	19,187	2
45057	Pisces.....	8	52 10.36	3,074	90 38 6.8	19,188	118
45058	Pisces.....	8	52 10.58	3,081	91 40 3.5	19,188	184
45059	Aquarius	8½	52 12.01	3,177	105 19 22.8	19,188	185
45060	Andromeda ..	8	52 14.83	2,787	54 5 0.5	19,190	125
45061	Aquarius	9	52 15.11	3,116	96 48 8.5	19,190	189
45062	Aquarius	9	52 19.76	3,170	104 24 34.5	19,192	191
45063	Pegasus	7	52 25.56	2,812	56 27 24.7	19,194	302
45064	Pisces.....	9	52 26.13	3,094	93 36 53.8	19,194	571
45065	Pegasus	8	52 26.74	2,830	58 22 48.9	19,194	21
45066	Pegasus	8½	52 27.12	2,830	58 22 43.1	19,195	303
45067	Cepheus.....	9	52 28.44	1,328	12 34 20.7	19,195	351
45068	Andromeda ..	8½	52 29.78	2,671	44 14 19.0	19,196	242
45069	Andromeda ..	9	52 29.90	2,671	44 14 28.3	19,196	364
45070	Pegasus	8½	52 31.49	2,939	71 23 1.7	19,196	32
45071	Andromeda ..	8	52 34.71	2,766	51 57 42.7	19,198	15
45072	Pegasus	6½	52 36.19	2,911	67 43 53.7	19,198	31
45073	Pegasus	8	52 38.26	2,861	61 40 33.1	19,199	123
45074	Pegasus	7½	52 41.42	2,965	74 50 23.5	19,200	37
45075	Andromeda .0	4	52 44.46	2,730	48 44 46.1	19,202	5
45076	Andromeda .0	4	52 44.59	2,730	48 44 43.2	19,202	3
45077	Andromeda .0	3½	52 44.69	2,730	48 44 47.3	19,202	476
45078	Andromeda ..	8	52 44.73	2,784	53 35 40.1	19,202	125
45079	Andromeda .0	4½	52 44.96	2,730	48 44 46.0	19,202	13
45080	Pisces.....	8	22 52 53.49	+3,080	91 29 35.9	-19,206	184

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45081	Pisces.....	8	22	52	53.61	+3,080	91	29	37.0	-19,206	130
45082	Andromeda ..	9		52	56.82	2,658	43	7	1.4	19,207	163
45083	Pisces.....	8½		52	57.31	3,044	86	7	47.9	19,207	117
45084	Pegasus	6½		52	59.13	2,913	67	56	23.8	19,208	31
45085	Andromeda ..	9		53	0.07	2,671	44	3	22.0	19,208	164
45086	Andromeda ..	9		53	0.36	2,671	44	3	18.8	19,208	142
45087	Andromeda ..	9		53	0.70	2,647	43	4	23.4	19,209	163
45088	Pegasus	8		53	3.06	2,814	56	27	6.6	19,210	302
45089	Aquarius	8		53	4.75	3,264	116	49	42.4	19,211	181
45090	Pegasus	8½		53	5.03	2,864	61	51	58.2	19,211	123
45091	Andromeda ..	8		53	5.19	2,581	38	13	52.5	19,211	104
45092	Andromeda ..	.		53	5.63	2,704	46	29	58.0	19,211	2
45093	Aquarius	8		53	17.93	3,239	113	47	2.5	19,216	570
45094	Andromeda ..	6		53	25.70	2,729	48	18	54.3	19,219	18
45095	Andromeda ..	5½		53	25.70	2,729	48	18	56.8	19,219	476
45096	Andromeda ..	5½		53	25.92	2,729	48	18	57.6	19,220	3
45097	Aquarius	8		53	27.03	3,235	113	18	24.9	19,220	349
45098	Aquarius	7½		53	27.23	3,235	113	18	18.2	19,220	570
45099	Andromeda ..	8½		53	29.32	2,762	51	10	45.5	19,221	15
45100	Andromeda ..	9		53	30.20	2,746	49	47	18.7	19,221	5
45101	Pegasus	8		53	31.26	2,941	71	23	10.4	19,222	34
45102	Aquarius	7		53	31.64	3,109	95	52	11.5	19,222	189
45103	Pegasus	8		53	34.09	2,816	56	27	3.5	19,223	302
45104	Andromeda ..	6		53	38.21	2,714	47	0	50.4	19,224	2
45105	Pisces.....β	4½		53	41.55	3,051	87	15	10.0	19,226	108
45106	Pisces.....β	5		53	41.90	3,051	87	15	13.7	19,226	185
45107	Pisces.....β	5		53	41.91	3,051	87	15	8.1	19,226	110
45108	Aquarius	8		53	44.69	3,262	116	45	31.1	19,227	181
45109	Pegasus	9		53	44.76	2,997	79	11	16.7	19,227	39
45110	Aquarius	9		53	47.11	3,266	117	19	19.3	19,228	181
45111	Aquarius	8½		53	49.38	3,115	96	50	55.4	19,229	189
45112	Pegasus	7½		53	49.71	2,913	67	41	42.4	19,229	31
45113	Pisces.....	8		53	52.24	3,055	87	46	37.8	19,230	185
45114	Aquarius	9		53	52.30	3,173	105	12	51.1	19,230	191
45115	Andromeda ..	8		53	55.44	2,737	48	51	10.4	19,231	476
45116	Cepheus.....	9½		53	58.32	1,782	16	26	34.7	19,233	164
45117	Andromeda ..	7½		53	59.12	2,781	52	46	21.4	19,233	15
45118	Aquarius	7		53	59.75	3,273	118	12	35.4	19,233	569
45119	Andromeda ..	7½		54	0.04	2,781	52	46	23.2	19,234	125
45120	Aquarius	8	22	54	0.06	+3,121	97	45	46.4	-19,234	197

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45121	Pisces.....	9	22	54	0.43	+3,089	92	58	29.7	-19,234	184
45122	Cepheus.....	8		54	3.89	2,581	37	49	42.0	19,235	304
45123	Pegasus.... β	2		54	5.49	2,876	62	59	56.7	19,236	199
45124	Pegasus.... β	2		54	5.56	2,876	62	59	56.1	19,236	27
45125	Pegasus.... β	2		54	5.64	2,876	62	59	59.5	19,236	244
45126	Pegasus.... β	.		54	5.69	2,876	62	59	55.5	19,236	24
45127	Pegasus.... β	2		54	5.69	2,876	62	59	55.1	19,236	123
45128	Pegasus.... β	.		54	5.83	2,876	62	59	55.9	19,236	303
45129	Pegasus.... β	2		54	5.93	2,876	62	59	55.7	19,236	119
45130	Pegasus.... β	.		54	6.23	2,876	62	59	53.6	19,236	302
45131	Pisces.....	9		54	7.51	3,053	87	31	47.7	19,237	110
45132	Pisces.....	9		54	8.49	3,053	87	31	46.3	19,237	185
45133	Pegasus.....	7		54	18.49	2,933	70	9	12.9	19,241	33
45134	Pisces.....	8½		54	19.43	3,066	89	28	16.1	19,242	118
45135	Pegasus.....	7½		54	28.25	2,980	76	37	47.4	19,245	39
45136	Aquarius....	7½		54	29.30	3,249	115	25	34.3	19,246	181
45137	Aquarius....	7		54	36.97	3,193	108	9	7.1	19,249	194
45138	Aquarius....	8		54	40.79	3,234	111	38	41.0	19,250	349
45139	Aquarius....	8½		54	41.31	3,234	113	33	40.0	19,250	570
45140	Aquarius.. λ^1	6		54	43.43	3,128	98	46	12.8	19,251	191
45141	Aquarius.. λ^1	6½		54	43.53	3,128	98	46	9.1	19,251	189
45142	Aquarius.. λ^1	5½		54	43.55	3,128	98	46	9.9	19,251	572
45143	Aquarius.. λ^1	6		54	43.68	3,128	98	46	8.4	19,251	197
45144	Cepheus.....	7½		54	44.43	2,585	37	46	17.8	19,252	304
45145	Aquarius....	7½		54	44.94	3,192	107	58	26.0	19,252	194
45146	Pisces.....	8		54	46.89	3,047	86	28	28.1	19,253	108
45147	Pisces.....	8		54	47.66	3,049	86	50	28.9	19,253	108
45148	Pegasus.... α	2		54	48.07	2,975	75	51	59.4	19,253	117
45149	Cepheus.....	9		54	48.15	1,777	16	11	14.0	19,253	164
45150	Pegasus.... α	.		54	48.19	2,975	75	52	2.8	19,254	127
45151	Pegasus.... α	2		54	48.29	2,975	75	52	4.9	19,254	40
45152	Pegasus.... α	.		54	48.29	2,975	75	52	2.7	19,254	38
45153	Pegasus.... α	.		54	48.30	2,975	75	52	0.3	19,254	34
45154	Pegasus.... α	2		54	48.60	2,975	75	52	2.6	19,254	37
45155	Pisces.....	.		54	50.67	3,034	84	33	25.3	19,254	128
45156	Aquarius....	8		54	53.46	3,128	98	49	45.6	19,255	197
45157	Aquarius.. λ^2	8		54	53.75	3,128	98	49	45.1	19,256	191
45158	Aquarius.. λ^2	7		54	53.78	3,128	98	49	44.1	19,256	572
45159	Aquarius.. λ^2	8		54	54.03	3,128	98	49	47.3	19,256	189
45160	Pegasus.....	8	22	55	1.83	+2,852	59	45	58.6	-19,259	119

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45161	Aquarius	9	22 55 2.04	+3.173	105 28 23.3	-19.259	185
45162	Pegasus	•	55 3.38	2,930	69 28 20.9	19,260	33
45163	Pisces	7	55 3.54	3,068	89 46 2.5	19,260	118
45164	Andromeda ..	5	55 14.20	2,641	41 1 59.2	19,264	363
45165	Pegasus	7	55 14.64	2,966	74 30 4.6	19,264	37
45166	Pegasus	6	55 19.11	2,908	66 33 14.7	19,266	31
45167	Pegasus	6½	55 19.82	2,908	66 33 11.3	19,266	199
45168	Aquarius	8	55 23.68	3,173	105 31 13.6	19,268	185
45169	Aquarius	7	55 25.54	3,145	101 30 45.0	19,269	190
45170	Aquarius .. A³	7½	55 27.30	3,129	99 0 44.6	19,269	191
45171	Pegasus	8½	55 27.36	2,879	62 52 20.6	19,269	123
45172	Aquarius .. A³	7½	55 27.40	3,129	99 0 45.7	19,269	189
45173	Aquarius .. A³	7½	55 27.48	3,129	99 0 45.2	19,269	197
45174	Aquarius .. A³	7	55 27.73	3,129	99 0 48.7	19,269	572
45175	Pegasus	8	55 30.86	2,835	57 41 24.1	19,271	303
45176	Cepheus	8	55 30.93	1,111	10 43 57.0	19,271	351
45177	Pegasus	8½	55 34.44	2,866	61 10 56.1	19,272	123
45178	Pegasus	8	55 36.27	2,978	76 6 56.8	19,273	37
45179	Pegasus	7	55 45.08	2,908	66 25 19.7	19,277	199
45180	Pegasus	6	55 45.66	2,908	66 25 17.4	19,277	31
45181	Pegasus	7½	55 46.30	2,898	65 3 55.4	19,277	27
45182	Pegasus	8	55 47.85	3,019	82 10 43.7	19,277	127
45183	Pegasus	8	55 47.93	3,019	82 10 46.6	19,277	196
45184	Aquarius .. c¹	4½	55 54.83	3,240	114 49 10.2	19,281	570
45185	Aquarius .. c¹	5½	55 55.04	3,240	114 49 11.5	19,281	181
45186	Pegasus	7½	56 3.55	2,957	72 59 22.8	19,284	34
45187	Andromeda ..	9	56 7.10	2,661	42 1 25.1	19,286	363
45188	Andromeda ..	9	56 8.31	2,782	51 59 46.3	19,286	15
45189	Aquarius	8½	56 9.84	3,133	99 42 58.2	19,286	572
45190	Andromeda ..	9	56 19.44	2,737	47 49 55.2	19,290	476
45191	Pisces	9½	56 20.35	3,078	91 16 23.9	19,291	184
45192	Pegasus	8½	56 22.06	2,821	55 48 15.6	19,291	302
45193	Pegasus	6	56 22.77	2,955	72 33 50.2	19,292	34
45194	Andromeda ..	9	56 26.47	2,695	44 21 23.6	19,293	242
45195	Andromeda ..	9	56 26.52	2,695	44 21 18.2	19,293	364
45196	Pegasus	8½	56 27.08	2,876	62 6 56.9	19,294	123
45197	Aquarius	9	56 28.10	3,160	103 47 59.2	19,294	191
45198	Andromeda ..	8	56 36.12	2,731	47 11 33.6	19,297	476
45199	Pegasus	6	56 37.00	2,945	71 10 2.6	19,297	33
45200	Pisces	8	22 56 37.49	+3,044	86 1 26.8	-19,297	108

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45201	Pegasus	2	22 56 40,54	+2,840	57 47 38,1	-19,299	303
45202	Aquarius	9	56 43,73	3,103	95 16 53,2	19,300	571
45203	Andromeda ..	7	56 46,94	2,808	54 15 25,0	19,301	125
45204	Aquarius .. A ⁴	2	56 47,24	3,126	98 46 12,5	19,301	191
45205	Aquarius .. A ⁴	8	56 47,43	3,126	98 46 6,2	19,301	197
45206	Pisces.....	7½	56 50,34	3,057	88 1 32,0	19,302	185
45207	Aquarius	7½	56 51,34	3,133	99 53 23,8	19,303	572
45208	Andromeda ..	2	56 53,33	2,757	49 17 13,3	19,304	5
45209	Pisces.....	2	56 53,75	3,046	86 12 24,4	19,304	117
45210	Andromeda ..	2	56 54,48	2,757	49 17 17,7	19,304	3
45211	Pegasus	9	56 54,91	2,864	60 27 28,9	19,305	119
45212	Andromeda ..	9	56 55,58	2,770	50 31 40,5	19,305	5
45213	Aquarius	2	56 55,82	3,153	102 52 54,5	19,305	190
45214	Pegasus	5½	56 55,93	3,016	81 40 2,8	19,305	127
45215	Pegasus	5½	56 56,01	3,016	81 40 2,2	19,305	40
45216	Pegasus	5	56 56,24	3,016	81 40 6,6	19,305	196
45217	Pisces.....	9	57 0,28	3,045	86 2 41,1	19,306	117
45218	Andromeda ..	7½	57 11,16	2,749	48 29 9,9	19,311	476
45219	Andromeda ..	2	57 11,67	2,749	48 29 9,9	19,311	3
45220	Andromeda ..	2	57 11,85	2,749	48 29 8,6	19,311	18
45221	Andromeda ..	2	57 11,99	2,729	46 42 33,1	19,311	2
45222	Aquarius	2	57 16,18	3,138	100 44 39,8	19,313	191
45223	Andromeda ..	7½	57 22,76	2,749	48 25 16,9	19,315	476
45224	Pegasus	5	57 22,81	2,906	65 36 26,7	19,315	27
45225	Pegasus	5	57 22,87	2,906	65 36 26,8	19,315	199
45226	Andromeda ..	2	57 22,87	2,749	48 25 14,4	19,315	18
45227	Andromeda ..	2	57 23,15	2,750	48 25 12,6	19,316	3
45228	Pisces.....	7½	57 24,76	3,047	86 24 6,9	19,316	117
45229	Andromeda ..	8½	57 28,44	2,699	44 9 16,2	19,318	242
45230	Andromeda ..	2	57 28,79	2,797	52 50 3,6	19,318	15
45231	Andromeda ..	9	57 28,87	2,699	44 9 23,7	19,318	364
45232	Andromeda ..	.	57 29,26	2,799	53 3 44,9	19,318	15
45233	Pisces.....	7½	57 29,89	3,078	91 22 26,5	19,318	118
45234	Pisces.....	7	57 30,21	3,078	91 22 27,0	19,318	184
45235	Pisces.....	7	57 30,32	3,078	91 22 33,0	19,318	130
45236	Andromeda ..	9½	57 31,95	2,699	44 8 9,2	19,319	242
45237	Pegasus	2	57 33,29	2,827	56 1 27,6	19,320	302
45238	Pisces.....	9½	57 34,94	3,035	84 28 31,8	19,320	128
45239	Pisces.....	2	57 35,34	3,035	84 28 34,0	19,320	107
45240	Pegasus	6½	22 57 36,51	+2,822	55 26 35,0	-19,321	302

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45241	Pegasus	5½	22 57 37.52	+2,938	69 56 28.3	-19,321	33
45242	Pegasus	8	57 38.09	2,996	78 24 16.9	19,322	39
45243	Andromeda ..	10	57 38.34	2,641	40 0 2.6	19,322	369
45244	Cepheus	9	57 39.23	1,865	16 36 6.7	19,322	364
45245	Cepheus	7	57 41.48	1,903	10 17 43.4	19,323	351
45246	Aquarius	9	57 43.77	3,185	107 49 24.8	19,324	194
45247	Pisces	8	57 49.56	3,054	87 30 12.0	19,326	110
45248	Pisces	8	57 49.73	3,054	87 30 14.8	19,326	121
45249	Pisces	8	57 50.14	3,054	87 30 13.8	19,326	185
45250	Aquarius	9½	57 51.76	3,150	102 40 33.5	19,327	190
45251	Pisces	8	57 53.49	3,046	86 11 27.0	19,327	108
45252	Pegasus	7	57 55.16	2,848	58 15 10.5	19,328	303
45253	Pegasus	9	57 55.60	2,848	58 15 18.5	19,328	303
45254	Pisces	9	57 59.99	3,045	86 2 35.5	19,330	108
45255	Aquarius	8½	58 1.54	3,133	100 5 17.2	19,330	191
45256	Aquarius	8	58 1.67	3,133	100 5 9.6	19,331	572
45257	Pegasus	7½	58 2.47	2,872	61 1 22.7	19,331	123
45258	Andromeda ..	8½	58 2.83	2,817	54 46 30.2	19,331	125
45259	Pegasus	8	58 2.90	2,872	61 1 18.1	19,331	119
45260	Aquarius	8½	58 4.58	3,173	106 6 56.4	19,332	185
45261	Pisces	9	58 4.61	3,064	89 4 55.4	19,332	110
45262	Aquarius	9	58 6.46	3,198	109 49 46.5	19,333	201
45263	Aquarius	7½	58 7.04	3,251	116 54 28.0	19,333	181
45264	Aquarius	6½	58 7.51	3,251	116 54 26.8	19,333	569
45265	Pisces	7½	58 8.12	3,079	91 34 40.3	19,333	130
45266	Pisces	7½	58 8.78	3,079	91 34 35.5	19,333	184
45267	Andromeda ..	9	58 9.39	2,658	40 53 12.2	19,333	369
45268	Andromeda ..	6½	58 10.06	2,713	45 0 39.5	19,334	364
45269	Cepheus	9	58 10.41	1,790	15 33 36.3	19,334	364
45270	Andromeda ..	7	58 10.59	2,713	45 0 37.1	19,334	242
45271	Andromeda ..	7	58 10.59	2,713	45 0 38.0	19,334	2
45272	Pegasus	8	58 10.99	2,869	60 38 26.7	19,334	119
45273	Andromeda ..	8½	58 11.96	2,745	47 41 21.4	19,334	18
45274	Pegasus .....	.	58 14.87	2,875	61 23 15.9	19,336	123
45275	Andromeda ..	6	58 20.58	2,619	38 15 44.9	19,338	304
45276	Aquarius	9	58 23.71	3,132	99 53 10.9	19,339	572
45277	Aquarius	9	58 24.10	3,134	100 16 2.9	19,339	191
45278	Pisces	8	58 24.49	3,047	86 24 2.3	19,339	108
45279	Pisces A	6½	58 26.10	3,063	88 57 33.3	19,340	121
45280	Pisces A	6½	22 58 26.24	+3,063	88 57 26.5	-19,340	118

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45281	Pisces.....A	6	22 58 26.29	+3,063	88° 57' 28.8	-19.340	185
45282	Pisces.....A	7½	58 26.43	3,063	88 57 27.2	19.340	110
45283	Pegasus	9	58 28.69	2,990	77 20 57.5	19.341	39
45284	Andromeda ..	6	58 32.33	2,711	44 41 26.7	19.342	242
45285	Andromeda ..	5	58 32.37	2,711	44 41 27.7	19.342	2
45286	Andromeda ..	7½	58 32.55	2,711	44 41 29.0	19.342	364
45287	Aquarius	9	58 39.42	3,143	101 46 27.7	19.345	190
45288	Pegasus	8½	58 39.98	2,872	60 51 47.3	19.346	123
45289	Pisces.....	8½	58 41.52	3,043	85 44 29.8	19.346	108
45290	Andromeda ..	6	58 42.38	2,674	41 47 27.1	19.346	363
45291	Pisces.....	7	58 42.64	3,091	93 31 48.9	19.346	571
45292	Pisces.....	9	58 44.10	3,090	93 20 7.2	19.347	187
45293	Pegasus	8½	58 44.72	3,008	80 7 12.8	19.347	40
45294	Pisces.....	7	58 45.08	3,090	93 20 38.4	19.347	571
45295	Pisces.....	8	58 45.63	3,092	93 38 9.2	19.348	571
45296	Aquarius.....c²	4	58 45.63	3,214	112 15 16.6	19.348	349
45297	Aquarius	8	58 46.11	3,091	93 31 57.7	19.348	187
45298	Aquarius	7½	58 49.04	3,121	98 13 28.3	19.349	197
45299	Aquarius	6	58 54.73	3,266	119 10 7.9	19.351	569
45300	Pegasus	9	58 57.74	2,832	56 1 10.5	19.352	302
45301	Pegasus	•	58 59.40	3,031	83 43 0.0	19.353	107
45302	Andromeda ..	6	59 0.37	2,736	46 31 6.3	19.354	2
45303	Aquarius	9½	59 3.39	3,131	99 54 16.0	19.354	572
45304	Pegasus	8½	59 4.76	2,893	63 19 13.4	19.355	27
45305	Pisces.....	8	59 8.74	3,063	88 56 12.2	19.357	118
45306	Pisces.....	8	59 9.13	3,063	88 56 15.1	19.357	110
45307	Pisces.....	8	59 9.45	3,063	88 56 11.7	19.357	185
45308	Pisces.....	8	59 9.61	3,063	88 56 15.3	19.357	121
45309	Andromeda ..	9	59 11.00	2,749	47 33 59.0	19.358	18
45310	Aquarius.....c³	4½	59 12.88	3,222	113 32 20.1	19.358	570
45311	Aquarius	6½	59 17.22	3,167	105 35 30.4	19.360	185
45312	Pisces.....	8½	59 20.14	3,064	89 9 5.6	19.361	110
45313	Pisces.....	8½	59 20.46	3,064	89 9 5.6	19.361	121
45314	Pisces.....	8	59 20.49	3,064	89 9 9.1	19.361	185
45315	Andromeda ..	7½	59 23.44	2,796	51 54 35.0	19.362	15
45316	Aquarius	8	59 25.83	3,120	98 10 14.0	19.363	197
45317	Pegasus	6	59 26.02	3,023	82 24 8.5	19.363	196
45318	Pegasus	6	59 26.13	3,023	82 24 14.5	19.363	127
45319	Pegasus	7	59 27.08	2,901	64 10 0.3	19.363	27
45320	Pegasus	6	22 59 28.92	+2,961	72 39 39.6	-19.364	34

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45321	Aquarius	9	22 59 29.31	+3,178	107 16 1.0	-19,364	194
45322	Aquarius	8	59 29.46	3,141	101 35 53.9	19,364	190
45323	Andromeda ..	7	59 32.92	2,799	52 9 20.2	19,366	15
45324	Pegasus	8½	59 46.38	2,926	67 29 30.7	19,371	31
45325	Pegasus	8	59 47.48	2,921	66 49 12.5	19,371	199
45326	Aquarius	8	59 49.58	3,161	104 43 37.1	19,372	191
45327	Pegasus	7	59 52.82	2,881	61 24 43.7	19,373	123
45328	Andromeda ..	9	59 54.04	2,767	48 54 31.3	19,374	3
45329	Andromeda ..	8	59 55.22	2,767	48 54 35.2	19,374	476
45330	Pegasus	6	59 57.27	3,016	81 15 32.6	19,375	196
45331	Pegasus	6	59 57.77	3,016	81 15 31.0	19,375	40
45332	Pegasus	6	59 57.97	3,016	81 15 32.7	19,375	127
45333	Pegasus	7½	22 59 59.54	3,032	81 43 7.2	19,376	128
45334	Pegasus	7	23 0 0.06	2,988	76 39 2.5	19,376	37
45335	Andromeda ..	9	0 0.06	2,768	48 57 31.4	19,376	3
45336	Andromeda ..	8	0 0.81	2,768	48 57 33.3	19,376	476
45337	Cepheus	7½	0 6.14	1,824	15 29 54.5	19,377	364
45338	Pisces	8½	0 15.24	3,055	87 35 23.7	19,382	121
45339	Andromeda ..	8	0 15.76	2,679	41 25 49.1	19,382	363
45340	Aquarius	7	0 17.92	3,112	97 2 31.1	19,383	189
45341	Pisces	8½	0 19.50	3,062	88 44 53.0	19,383	185
45342	Andromeda ..	8	0 21.26	2,814	53 23 35.7	19,384	125
45343	Pegasus	8½	0 25.73	3,011	80 15 54.7	19,386	40
45344	Aquarius	8	0 26.06	3,252	117 59 45.2	19,386	569
45345	Aquarius	9	0 27.20	3,252	117 58 14.6	19,386	569
45346	Andromeda ..	6	0 28.83	2,798	51 37 43.5	19,387	476
45347	Andromeda ..	7	0 29.00	2,798	51 36 37.3	19,387	15
45348	Andromeda ..	8½	0 29.94	2,822	54 13 9.4	19,387	125
45349	Andromeda ..	8	0 33.94	2,823	54 14 5.4	19,389	125
45350	Pegasus	6½	0 35.28	2,850	57 18 41.3	19,389	303
45351	Pegasus	6½	0 35.51	2,850	57 18 43.9	19,389	302
45352	Pegasus	8½	0 35.64	3,017	81 17 59.6	19,389	196
45353	Pegasus	8½	0 35.78	3,017	81 17 59.9	19,390	40
45354	Pegasus	9	0 36.31	3,017	81 17 59.7	19,390	127
45355	Pegasus	9	0 42.98	2,922	66 40 1.3	19,392	199
45356	Pegasus	6	0 47.19	2,968	73 29 13.4	19,394	37
45357	Andromeda ..	9½	0 48.21	2,705	43 7 25.5	19,394	242
45358	Andromeda ..	9	0 49.32	2,705	43 7 20.5	19,395	364
45359	Andromeda ..	8½	0 50.09	2,705	43 7 17.5	19,395	242
45360	Pisces	8	23 0 52.36	+3,095	94 10 55.9	-19,395	572

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45361	Aquarius	9½	23	53	50	+3,153	103	46	55.6	-19,396	191
45362	Pegasus	6½		0	57.51	2,908	64	33	32.6	19,398	27
45363	Pisces	9		1	1.32	3,057	87	55	44.3	19,399	185
45364	Pisces	8½		1	1.35	3,057	87	55	48.2	19,399	121
45365	Pisces	8		1	1.39	3,057	87	55	44.6	19,399	110
45366	Pisces	6½		1	4.11	3,046	86	4	41.1	19,400	108
45367	Andromeda ..	9		1	4.47	2,680	41	5	53.4	19,400	363
45368	Pisces	7		1	4.48	3,046	86	4	42.6	19,400	117
45369	Pegasus	8		1	5.48	2,909	64	43	0.7	19,400	27
45370	Pegasus	8½		1	7.44	2,924	66	46	54.4	19,401	199
45371	Andromeda ..	6		1	14.41	2,759	47	31	36.0	19,404	2
45372	Andromeda ..	6		1	14.51	2,759	47	31	40.6	19,404	3
45373	Andromeda ..	6		1	14.51	2,759	47	31	38.5	19,404	18
45374	Pegasus	8		1	20.44	2,874	59	55	48.7	19,406	119
45375	Pegasus	8½		1	23.66	2,894	62	31	21.5	19,407	123
45376	Aquarius	8		1	30.23	3,130	100	5	57.8	19,410	572
45377	Aquarius	8½		1	30.57	3,130	100	5	52.2	19,410	191
45378	Pegasus	8		1	30.78	2,883	61	2	23.7	19,410	119
45379	Aquarius	8		1	31.31	3,148	103	0	59.9	19,410	191
45380	Aquarius	7		1	31.69	3,148	103	0	53.6	19,410	190
45381	Cepheus π	6		1	33.88	1,869	15	41	34.3	19,411	364
45382	Pisces	9		1	37.87	3,048	86	21	38.6	19,412	108
45383	Pegasus	6		1	38.47	3,024	82	21	42.2	19,413	196
45384	Pegasus	5½		1	38.84	3,024	82	21	45.1	19,413	128
45385	Pegasus	6		1	38.86	3,024	82	21	43.1	19,413	127
45386	Andromeda ..	7		1	44.63	2,761	47	25	42.6	19,414	476
45387	Pegasus	9		1	44.67	3,024	82	16	51.0	19,415	196
45388	Andromeda ..	7½		1	44.95	2,802	51	25	39.5	19,415	3
45389	Andromeda ..	8		1	45.08	2,761	47	25	34.6	19,415	2
45390	Andromeda ..	7½		1	45.09	2,761	47	25	36.1	19,415	18
45391	Pegasus . . . . .	.		1	45.35	3,024	82	16	48.0	19,415	127
45392	Pegasus	8½		1	48.71	2,863	58	22	34.2	19,416	303
45393	Andromeda ..	9		1	50.07	2,780	49	12	30.1	19,417	5
45394	Andromeda ..	6		1	51.25	2,762	47	31	42.7	19,417	476
45395	Aquarius	8½		1	53.63	3,099	95	1	21.9	19,418	572
45396	Aquarius	9		1	53.84	3,099	95	1	18.5	19,418	187
45397	Pisces	9		1	54.03	3,077	91	16	50.2	19,418	130
45398	Andromeda ..	7½		1	58.23	2,817	52	59	48.9	19,420	476
45399	Pisces	9		2	2.98	3,037	84	28	41.1	19,422	128
45400	Pisces	6	23	2	4.45	+3,064	89	4	8.0	-19,422	110

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45401	Pegasus	5	23	2	7.91	+2,908	64	13	46.9	-19,424	27
45402	Andromeda ..	8½		2	9.16	2,830	54	17	18.2	19,424	125
45403	Cepheus	7½		2	12.71	2,643	38	1	26.2	19,425	304
45404	Pegasus	8		2	16.17	3,023	82	3	7.6	19,426	196
45405	Pegasus	8½		2	16.71	3,023	82	3	9.6	19,427	127
45406	Pegasus	7½		2	19.14	2,865	58	25	2.3	19,428	303
45407	Aquarius	9		2	19.15	3,152	103	54	25.0	19,428	191
45408	Aquarius	8½		2	20.16	3,226	115	11	16.8	19,428	570
45409	Pisces	8		2	25.46	3,060	88	23	18.8	19,430	121
45410	Pisces	7½		2	25.62	3,060	88	23	22.3	19,430	110
45411	Pisces	7½		2	25.90	3,060	88	23	17.1	19,430	185
45412	Aquarius	9		2	30.03	3,242	117	28	52.7	19,432	569
45413	Aquarius	7		2	32.64	3,132	100	39	13.8	19,433	191
45414	Aquarius	6½		2	32.67	3,132	100	39	12.8	19,433	572
45415	Andromeda ..	8		2	33.03	2,726	43	58	35.3	19,433	242
45416	Pegasus	9		2	33.72	3,012	80	7	49.1	19,433	40
45417	Andromeda ..	9		2	34.04	2,726	43	58	31.0	19,433	364
45418	Pegasus	8		2	37.83	2,917	65	13	44.7	19,434	199
45419	Aquarius	8		2	41.22	3,187	109	27	21.2	19,436	201
45420	Pisces	8		2	44.46	3,076	91	3	10.6	19,437	131
45421	Pisces	8		2	44.91	3,076	91	3	6.1	19,437	118
45422	Aquarius	8½		2	46.50	3,243	117	37	25.3	19,437	569
45423*	Andromeda ..	9		2	47.98	2,701	41	52	11.0	19,438	363
45424	Pisces .....	.		2	51.01	3,048	86	18	31.4	19,439	108
45425	Andromeda ..	8½		2	51.30	2,832	54	11	15.1	19,439	15
45426	Andromeda ..	7½		2	54.01	2,831	54	6	58.9	19,440	125
45427	Pegasus	8		2	55.52	2,919	65	30	39.9	19,441	199
45428	Andromeda ..	8		2	58.45	2,820	52	51	41.4	19,442	15
45429	Pegasus	7½		2	59.17	3,024	82	7	15.6	19,442	196
45430	Pegasus	7½		2	59.64	3,024	82	7	12.6	19,442	127
45431	Aquarius	8		3	2.98	3,128	99	59	31.4	19,443	191
45432	Cepheus	9½		3	4.04	1,286	10	26	43.8	19,444	351
45433	Cepheus	8½		3	6.08	2,645	37	44	31.9	19,445	304
45434	Pegasus	10		3	7.02	3,007	79	9	0.8	19,445	39
45435	Cepheus	8½		3	10.01	2,648	37	53	32.0	19,446	304
45436	Pisces	7½		3	10.93	3,061	88	24	37.0	19,446	185
45437	Pisces	7½		3	11.12	3,061	88	24	38.3	19,446	110
45438	Pisces	8		3	11.46	3,061	88	24	39.8	19,446	121
45439	Pisces	8		3	15.11	3,071	90	9	13.2	19,448	119
45440	Aquarius	8	23	3	15.87	+3,136	101	24	10.7	-19,448	190

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45441	Andromeda ..	8½	23	3	16.40	+2,654	38	16	14.4
45442	Cepheus	8		3	17.41	1,305	10	30	49.0
45443	Aquarius	8		3	19.14	3,154	104	28	40.6
45444	Andromeda ..	9½		3	21.15	2,805	51	4	57.0
45445	Pegasus	6		3	22.56	2,893	61	38	25.4
45446	Pegasus	7		3	23.14	3,012	80	1	11.2
45447	Andromeda ..	6		3	24.82	2,703	41	41	4.4
45448	Andromeda ..	4½		3	25.68	2,703	41	41	4.5
45449	Pegasus	9		3	26.49	2,944	68	59	52.8
45450	Pegasus	7		3	26.54	2,944	68	59	56.6
45451	Pisces.....	7½		3	27.64	3,063	88	53	1.3
45452	Pisces.....	7		3	28.03	3,063	88	52	58.0
45453	Pisces.....	7½		3	28.05	3,063	88	53	0.6
45454	Cepheus.....	8		3	32.67	2,652	37	58	5.1
45455	Aquarius	8		3	35.28	3,127	100	0	21.3
45456	Aquarius	9		3	35.28	3,127	100	0	51.4
45457	Andromeda ..	8½		3	39.35	2,807	51	4	57.3
45458	Andromeda ..	.		3	39.66	2,807	51	4	55.0
45459	Andromeda ..	6½		3	39.93	2,787	49	1	19.3
45460	Andromeda ..	7		3	40.14	2,787	49	1	19.7
45461	Andromeda ..	7½		3	40.15	2,807	51	5	0.0
45462	Andromeda ..	8		3	40.20	2,787	49	1	14.4
45463	Pisces.....	9		3	42.03	3,046	85	47	25.1
45464	Aquarius	8½		3	44.07	3,175	107	59	41.7
45465	Aquarius	7½		3	44.11	3,175	107	59	37.3
45466	Andromeda ..	9		3	46.01	2,834	54	3	58.7
45467	Aquarius	9½		3	46.68	3,127	100	1	16.4
45468	Pisces.....	7		3	48.47	3,091	93	43	10.8
45469	Pegasus	7½		3	49.20	2,987	75	42	50.8
45470	Pisces.....	8		3	49.27	3,091	93	43	7.7
45471	Pisces.....	7½		3	50.37	3,047	86	4	15.7
45472	Pisces.....	7½		3	50.56	3,047	86	5	16.2
45473	Aquarius	9		3	56.95	3,187	109	57	30.9
45474	Pegasus	9		3	57.37	3,030	82	57	6.7
45475	Aquarius .. φ	5		3	57.51	3,110	97	7	19.5
45476	Pegasus	9		3	57.70	3,030	82	57	4.7
45477	Aquarius .. φ	4½		3	57.74	3,110	97	7	26.2
45478	Aquarius .. φ	5		3	57.84	3,110	97	7	27.4
45479	Aquarius .. φ	5		3	57.94	3,110	97	7	27.0
45480	Aquarius .. φ	5	23	3	57.99	+3,110	97	7	26.2

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45481	Pegasus	8½	23	3	58.84	+2,896	61	49	14.5	-19,464	123
45482	Pegasus	6		4	4.56	2,961	71	27	6.5	19,465	33
45483	Pegasus	6		4	5.09	2,961	71	27	5.4	19,466	34
45484	Andromeda ..	9		4	7.18	2,747	45	1	31.9	19,466	364
45485	Andromeda ..	8		4	8.65	2,816	51	50	8.6	19,467	476
45486	Pegasus	8		4	11.00	2,932	66	51	6.1	19,468	199
45487	Aquarius	9		4	11.95	3,159	105	31	57.7	19,468	185
45488	Pegasus	•		4	11.97	2,924	65	37	40.9	19,468	199
45489	Aquarius	9		4	13.65	3,110	97	11	7.5	19,468	197
45490	Aquarius	6		4	14.21	3,137	101	46	21.2	19,469	190
45491	Andromeda ..	8½		4	17.54	2,778	47	50	9.0	19,470	476
45492	Aquarius	7½		4	20.66	3,170	107	19	25.0	19,471	194
45493	Pegasus	7½		4	21.76	2,961	71	19	17.1	19,471	34
45494	Pegasus	8		4	22.10	2,961	71	19	17.2	19,472	33
45495	Aquarius	8		4	37.42	3,225	115	56	21.5	19,477	181
45496	Pegasus	7½		4	40.10	2,895	61	18	49.5	19,478	119
45497	Pegasus	9		4	41.11	2,874	58	34	24.2	19,478	303
45498	Pegasus	7		4	45.36	2,934	66	59	1.1	19,480	199
45499	Pisces	9½		4	48.41	3,060	88	13	17.2	19,480	121
45500	Andromeda ..	9½		4	51.04	2,751	44	57	44.6	19,481	364
45501	Aquarius	9		4	51.21	3,156	105	6	8.5	19,481	191
45502	Aquarius	8		4	51.65	3,110	97	12	29.5	19,482	197
45503	Aquarius	8		4	52.12	3,110	97	12	27.3	19,482	189
45504	Aquarius	7½		4	54.36	3,141	102	39	2.7	19,483	190
45505	Pisces	8½		4	56.05	3,045	85	35	13.5	19,483	108
45506	Pegasus	8		4	59.07	2,856	56	4	7.1	19,485	302
45507	Pegasus	9½		4	59.35	3,027	82	17	50.5	19,485	127
45508	Aquarius	9		5	0.02	3,159	105	37	33.1	19,485	185
45509	Andromeda ..	8		5	1.07	2,780	47	36	36.7	19,485	3
45510	Andromeda ..	8		5	1.47	2,780	47	36	42.7	19,485	476
45511	Andromeda ..	8		5	1.70	2,780	47	36	37.7	19,485	18
45512	Andromeda ..	8		5	4.55	2,778	47	23	4.4	19,486	3
45513	Andromeda ..	7½		5	4.73	2,778	47	23	6.4	19,486	18
45514	Andromeda ..	7½		5	4.78	2,778	47	23	4.5	19,486	476
45515	Aquarius	7½		5	9.52	3,141	102	43	13.0	19,488	190
45516	Pegasus	7		5	13.25	2,908	63	0	48.4	19,489	123
45517	Andromeda ..	•		5	14.74	2,802	49	49	22.7	19,490	5
45518	Pisces	8½		5	15.05	3,041	84	54	41.2	19,490	128
45519	Pegasus	9		5	15.07	2,857	56	8	13.1	19,490	302
45520	Pegasus	9	23	5	15.26	+3,006	78	39	3.8	-19,490	39

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45521	Aquarius	6½	23	5	15.89	+3,095	94	35	7.0	-19,490	572
45522	Aquarius	6		5	16.06	3,095	94	34	57.9	19,490	187
45523	Aquarius	9½		5	22.01	3,126	100	9	51.7	19,492	191
45524	Aquarius	8		5	23.36	3,150	104	16	17.5	19,493	191
45525	Pisces	7½		5	23.66	3,068	89	46	36.1	19,493	119
45526	Aquarius .. ψ¹	5		5	24.18	3,126	100	10	26.8	19,493	191
45527	Aquarius .. ψ¹	4½		5	24.49	3,126	100	10	25.3	19,493	572
45528	Andromeda ..	8		5	33.57	2,805	49	56	37.7	19,496	5
45529	Aquarius	8		5	34.46	3,114	97	58	30.8	19,497	197
45530	Pegasus	8		5	34.82	2,924	65	13	30.5	19,497	27
45531	Pegasus	7½		5	35.09	2,926	65	24	53.4	19,497	199
45532	Pegasus	6		5	35.20	2,926	65	24	56.8	19,497	27
45533	Andromeda ..	9		5	36.53	2,681	38	58	30.0	19,497	304
45534	Pisces	7½		5	41.49	3,083	92	30	32.4	19,499	131
45535	Andromeda ..	8½		5	42.12	2,785	47	46	20.6	19,499	3
45536	Andromeda ..	8		5	42.21	2,785	47	46	25.8	19,499	18
45537	Andromeda ..	8		5	42.51	2,785	47	46	20.9	19,499	476
45538	Aquarius	7		5	46.13	3,237	118	10	5.7	19,501	569
45539	Andromeda ..	7½		5	46.17	2,751	44	33	42.5	19,501	242
45540	Aquarius	7		5	50.22	3,211	114	18	41.1	19,502	570
45541	Pegasus	8		5	51.54	2,935	66	39	46.7	19,502	199
45542	Pegasus	6		6	1.59	2,910	62	50	23.1	19,506	123
45543	Pegasus	7		6	7.17	2,933	66	19	0.4	19,508	199
45544	Andromeda ..	8		6	7.65	2,681	38	44	14.6	19,508	304
45545	Aquarius	9½		6	7.98	3,163	106	38	58.7	19,508	185
45546	Pegasus	7½		6	11.63	2,973	72	49	29.7	19,510	34
45547	Aquarius	7		6	12.32	3,197	112	17	22.0	19,510	349
45548	Aquarius	9		6	17.05	3,114	98	6	33.2	19,511	197
45549	Pegasus	8		6	18.28	2,863	56	23	56.3	19,512	302
45550	Pegasus	8½		6	18.88	2,876	58	1	11.4	19,512	303
45551	Pegasus	8½		6	19.36	2,957	70	1	57.4	19,512	33
45552	Pegasus	8		6	19.45	2,911	62	51	37.0	19,512	123
45553	Aquarius	6		6	22.38	3,245	119	31	18.1	19,513	569
45554	Pegasus	9		6	23.22	2,976	73	14	23.1	19,513	37
45555	Aquarius	7½		6	24.40	3,182	109	57	42.7	19,514	201
45556	Pegasus	8½		6	25.99	3,034	83	30	24.0	19,514	128
45557	Aquarius	9½		6	26.16	3,098	95	18	33.4	19,514	189
45558	Aquarius .. χ	6		6	28.68	3,118	98	48	50.7	19,515	572
45559	Pegasus	8½		6	30.98	2,894	60	25	24.4	19,516	119
45560	Aquarius	8	23	6	32.80	+3,193	111	46	28.4	-19,516	349

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			h	m	s	s	°	'	"	"	
<u>45561</u>	Aquarius	8	<u>23</u>	<u>6</u>	<u>34.96</u>	<u>+3,178</u>	<u>109</u>	<u>15</u>	<u>9.6</u>	<u>-19,517</u>	<u>244</u>
45562	Aquarius	7		<u>6</u>	<u>35.27</u>	<u>3,114</u>	<u>98</u>	<u>15</u>	<u>6.5</u>	<u>19,517</u>	<u>197</u>
45563	Andromeda ..	<u>8½</u>		<u>6</u>	<u>46.29</u>	<u>2,843</u>	<u>53</u>	<u>36</u>	<u>22.0</u>	<u>19,521</u>	<u>125</u>
45564	Andromeda ..	9		<u>6</u>	<u>46.64</u>	<u>2,842</u>	<u>53</u>	<u>29</u>	<u>22.9</u>	<u>19,521</u>	<u>125</u>
45565	Pisces..... <u>γ</u>	4		<u>6</u>	<u>47.71</u>	<u>3,058</u>	<u>87</u>	<u>48</u>	<u>25.3</u>	<u>19,521</u>	<u>185</u>
<u>45566</u>	Pisces..... <u>γ</u>	4		<u>6</u>	<u>47.77</u>	<u>3,058</u>	<u>87</u>	<u>48</u>	<u>29.2</u>	<u>19,521</u>	<u>121</u>
45567	Pisces..... <u>γ</u>	<u>3½</u>		<u>6</u>	<u>47.85</u>	<u>3,058</u>	<u>87</u>	<u>48</u>	<u>26.4</u>	<u>19,521</u>	<u>110</u>
45568	Pisces..... <u>γ</u>	<u>4½</u>		<u>6</u>	<u>47.89</u>	<u>3,058</u>	<u>87</u>	<u>48</u>	<u>17.7</u>	<u>19,521</u>	<u>118</u>
45569	Pisces..... <u>γ</u>	4		<u>6</u>	<u>47.98</u>	<u>3,058</u>	<u>87</u>	<u>48</u>	<u>29.1</u>	<u>19,521</u>	<u>131</u>
45570	Pegasus	<u>8½</u>		<u>6</u>	<u>48.30</u>	<u>2,930</u>	<u>65</u>	<u>33</u>	<u>2.5</u>	<u>19,522</u>	<u>199</u>
45571	Cepheus.....	9		<u>6</u>	<u>49.61</u>	<u>2,034</u>	<u>16</u>	<u>32</u>	<u>10.9</u>	<u>19,522</u>	<u>364</u>
<u>45572</u>	Aquarius	8		<u>6</u>	<u>49.65</u>	<u>3,206</u>	<u>113</u>	<u>54</u>	<u>14.8</u>	<u>19,522</u>	<u>570</u>
45573	Pisces.....	9		<u>6</u>	<u>52.53</u>	<u>3,070</u>	<u>89</u>	<u>59</u>	<u>26.4</u>	<u>19,523</u>	<u>119</u>
<u>45574</u>	Andromeda ..	8		<u>6</u>	<u>52.67</u>	<u>2,831</u>	<u>52</u>	<u>7</u>	<u>47.9</u>	<u>19,523</u>	<u>476</u>
45575	Andromeda ..	9		<u>6</u>	<u>54.76</u>	<u>2,808</u>	<u>49</u>	<u>31</u>	<u>33.0</u>	<u>19,524</u>	<u>5</u>
45576	Aquarius	8		<u>6</u>	<u>55.89</u>	<u>3,099</u>	<u>95</u>	<u>31</u>	<u>23.0</u>	<u>19,524</u>	<u>189</u>
45577	Aquarius	7		<u>6</u>	<u>56.89</u>	<u>3,165</u>	<u>107</u>	<u>15</u>	<u>36.9</u>	<u>19,525</u>	<u>186</u>
45578	Pegasus	8		<u>6</u>	<u>58.36</u>	<u>2,872</u>	<u>57</u>	<u>12</u>	<u>0.5</u>	<u>19,525</u>	<u>303</u>
45579	Pegasus	8		<u>7</u>	<u>3.73</u>	<u>2,929</u>	<u>65</u>	<u>23</u>	<u>52.5</u>	<u>19,527</u>	<u>27</u>
<u>45580</u>	Pisces.....	<u>9½</u>		<u>7</u>	<u>7.39</u>	<u>3,037</u>	<u>83</u>	<u>58</u>	<u>13.5</u>	<u>19,528</u>	<u>128</u>
45581	Pegasus	9		<u>7</u>	<u>7.80</u>	<u>2,956</u>	<u>69</u>	<u>40</u>	<u>48.7</u>	<u>19,528</u>	<u>33</u>
45582	Aquarius	6		<u>7</u>	<u>13.23</u>	<u>3,139</u>	<u>102</u>	<u>48</u>	<u>6.3</u>	<u>19,530</u>	<u>190</u>
<u>45583</u>	Pegasus	<u>8½</u>		<u>7</u>	<u>13.43</u>	<u>2,865</u>	<u>56</u>	<u>8</u>	<u>3.0</u>	<u>19,530</u>	<u>302</u>
45584	Pegasus	8		<u>7</u>	<u>15.06</u>	<u>2,899</u>	<u>60</u>	<u>42</u>	<u>38.6</u>	<u>19,530</u>	<u>119</u>
45585	Pisces.....	8		<u>7</u>	<u>17.81</u>	<u>3,084</u>	<u>92</u>	<u>36</u>	<u>22.4</u>	<u>19,531</u>	<u>131</u>
45586	Pegasus	<u>9½</u>		<u>7</u>	<u>19.76</u>	<u>2,996</u>	<u>76</u>	<u>23</u>	<u>38.9</u>	<u>19,532</u>	<u>37</u>
45587	Andromeda ..	9		<u>7</u>	<u>19.92</u>	<u>2,833</u>	<u>52</u>	<u>6</u>	<u>58.9</u>	<u>19,532</u>	<u>476</u>
45588	Andromeda ..	8		<u>7</u>	<u>24.20</u>	<u>2,841</u>	<u>53</u>	<u>7</u>	<u>40.5</u>	<u>19,533</u>	<u>125</u>
45589	Andromeda ..	<u>7½</u>		<u>7</u>	<u>24.27</u>	<u>2,841</u>	<u>53</u>	<u>7</u>	<u>37.0</u>	<u>19,534</u>	<u>476</u>
45590	Aquarius	<u>8½</u>		<u>7</u>	<u>24.97</u>	<u>3,116</u>	<u>98</u>	<u>37</u>	<u>52.7</u>	<u>19,534</u>	<u>197</u>
45591	Aquarius	8		<u>7</u>	<u>27.99</u>	<u>3,150</u>	<u>104</u>	<u>53</u>	<u>0.2</u>	<u>19,535</u>	<u>191</u>
45592	Aquarius .. <u>ψ</u> ²	5		<u>7</u>	<u>30.18</u>	<u>3,125</u>	<u>100</u>	<u>16</u>	<u>15.8</u>	<u>19,536</u>	<u>572</u>
45593	Aquarius .. <u>ψ</u> ³	<u>5½</u>		<u>7</u>	<u>30.39</u>	<u>3,125</u>	<u>100</u>	<u>16</u>	<u>15.0</u>	<u>19,536</u>	<u>191</u>
45594	Pegasus	8		<u>7</u>	<u>31.73</u>	<u>2,912</u>	<u>62</u>	<u>28</u>	<u>50.6</u>	<u>19,536</u>	<u>123</u>
45595	Cepheus.....	<u>7½</u>		<u>7</u>	<u>33.53</u>	<u>2,069</u>	<u>16</u>	<u>51</u>	<u>29.1</u>	<u>19,537</u>	<u>364</u>
45596	Aquarius	9		<u>7</u>	<u>33.90</u>	<u>3,099</u>	<u>95</u>	<u>36</u>	<u>38.2</u>	<u>19,537</u>	<u>189</u>
45597	Pegasus	8		<u>7</u>	<u>35.10</u>	<u>2,903</u>	<u>61</u>	<u>12</u>	<u>54.4</u>	<u>19,537</u>	<u>123</u>
45598	Cassiopea	<u>5½</u>		<u>7</u>	<u>37.92</u>	<u>2,680</u>	<u>37</u>	<u>51</u>	<u>47.6</u>	<u>19,538</u>	<u>304</u>
45599	Pisces.....	8		<u>7</u>	<u>38.19</u>	<u>3,047</u>	<u>85</u>	<u>40</u>	<u>42.0</u>	<u>19,538</u>	<u>118</u>
45600	Andromeda ..	<u>2½</u>	<u>23</u>	<u>7</u>	<u>38.37</u>	<u>+2,844</u>	<u>53</u>	<u>19</u>	<u>37.2</u>	<u>-19,538</u>	<u>476</u>

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45601	Andromeda ..	8	23	7	38.67	+2,844	53	19	43.7	-19,538	125
45602	Pisces.....	9		7	39.28	3,091	94	6	51.9	19,538	572
45603	Pegasus	6		7	40.93	2,976	72	46	58.3	19,539	34
45604	Aquarius	8½		7	42.46	3,114	98	23	36.9	19,540	197
45605	Aquarius	9		7	43.60	3,218	116	5	31.6	19,540	181
45606	Aquarius	8		7	43.87	3,241	119	33	46.7	19,540	569
45607	Pegasus	8		7	53.81	3,025	81	35	6.1	19,543	127
45608	Pegasus	8		7	54.13	3,025	81	35	10.2	19,544	196
45609	Pegasus	8		7	55.42	2,880	57	50	28.1	19,544	303
45610	Aquarius	7½		7	56.21	3,179	109	55	56.2	19,544	201
45611	Pisces.....	9		7	59.39	3,085	92	57	18.0	19,545	131
45612	Aquarius	8½		8	0.79	3,115	98	31	39.3	19,546	197
45613	Pegasus	7		8	3.37	2,875	57	2	32.2	19,546	303
45614	Pegasus	7		8	4.26	2,875	57	2	28.9	19,547	302
45615	Pegasus	9½		8	7.27	2,997	76	22	14.7	19,548	37
45616	Aquarius	7½		8	7.97	3,242	119	49	41.0	19,548	569
45617	Pisces.....	9½		8	9.34	3,085	92	58	58.1	19,548	131
45618	Pegasus	8½		8	9.96	3,034	83	15	24.4	19,549	128
45619	Pegasus	8½		8	10.23	2,938	66	13	0.0	19,549	199
45620	Pegasus	7		8	11.07	2,901	60	37	51.3	19,549	119
45621	Andromeda ..	8		8	14.71	2,805	48	30	27.7	19,550	476
45622	Aquarius	6½		8	18.73	3,239	119	28	40.3	19,551	569
45623	Pegasus	9½		8	20.88	3,011	78	57	57.7	19,552	39
45624	Andromeda ..	.		8	26.19	2,797	47	32	9.7	19,554	3
45625	Pegasus	6½		8	27.63	2,921	63	29	14.6	19,554	27
45626	Andromeda ..	5½		8	30.03	2,740	42	4	24.7	19,555	363
45627	Aquarius	9		8	30.49	3,102	96	11	30.9	19,556	189
45628	Aquarius .. ψ³	6		8	32.85	3,126	100	42	1.3	19,556	572
45629	Aquarius .. ψ³	6		8	33.04	3,126	100	42	3.5	19,556	191
45630	Aquarius	6		8	34.52	3,147	104	32	36.8	19,556	186
45631	Aquarius	9		8	34.57	3,147	104	32	24.5	19,556	191
45632	Aquarius	6		8	34.58	3,147	104	32	37.6	19,556	191
45633	Aquarius	7		8	35.83	3,140	103	15	39.0	19,557	190
45634	Pisces.....	8½		8	35.98	3,058	87	50	23.0	19,557	121
45635	Pisces.....	8		8	36.44	3,058	87	50	21.3	19,557	110
45636	Pisces.....	9		8	36.47	3,048	85	54	12.5	19,557	108
45637	Pegasus	8		8	36.51	2,881	57	34	46.7	19,557	303
45638	Pisces.....	8		8	38.07	3,047	85	40	44.0	19,558	108
45639	Pegasus	8		8	38.68	2,942	66	48	36.6	19,558	199
45640	Pegasus	6	23	8	42.15	+2,922	61	28	58.6	-19,559	27

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45641	Pisces.....	8½	23	8	45.58	+3,089	93	42	39.9	-19,560	572
45642	Andromeda ..	8½		8	46.99	2,848	53	9	33.9	19,561	476
45643	Pegasus	9		8	47.36	2,880	57	23	58.5	19,561	303
45644	Pegasus	8		8	49.70	2,976	72	26	46.7	19,561	34
45645	Pegasus	9		8	50.61	3,026	81	39	30.1	19,562	127
45646	Pegasus	9		8	50.64	3,026	81	39	24.2	19,562	196
45647	Aquarius	6		8	51.82	3,172	109	9	59.0	19,562	244
45648	Aquarius	9		8	54.73	3,175	109	38	49.1	19,563	201
45649	Pegasus	8½		8	55.04	2,937	65	52	37.5	19,563	199
45650	Andromeda ..	.		8	55.64	2,816	49	19	3.4	19,564	5
45651	Andromeda ..	6		8	55.69	2,816	49	18	57.9	19,564	18
45652	Andromeda ..	6		8	55.73	2,816	49	18	59.4	19,564	3
45653	Andromeda ..	6		8	55.82	2,816	49	19	0.4	19,564	476
45654	Andromeda ..	8		8	56.20	2,850	53	23	44.1	19,564	476
45655	Pegasus	7½		8	59.07	2,881	57	21	45.5	19,565	303
45656	Aquarius	6		9	0.96	3,102	96	12	50.9	19,565	189
45657	Aquarius	6		9	1.19	3,102	96	12	51.1	19,566	187
45658	Aquarius	8½		9	3.01	3,203	114	18	59.5	19,566	570
45659	Andromeda ..	7½		9	4.66	2,863	55	0	4.8	19,566	125
45660	Andromeda ..	7½		9	4.81	2,863	55	0	8.5	19,566	302
45661	Andromeda ..	9		9	5.37	2,763	43	49	49.2	19,567	242
45662	Pisces.....	8		9	11.03	3,038	83	52	29.1	19,569	128
45663	Aquarius	9		9	15.12	3,126	100	45	59.7	19,570	191
45664	Pisces.....	8		9	19.13	3,045	85	12	11.0	19,571	118
45665	Pegasus	8		9	19.85	2,986	74	6	17.5	19,571	37
45666	Aquarius	7½		9	24.05	3,200	113	54	57.2	19,573	570
45667	Aquarius	7½		9	24.28	3,200	113	54	50.4	19,573	349
45668	Andromeda ..	9		9	34.94	2,764	43	43	4.0	19,576	242
45669	Aquarius	8½		9	35.73	3,091	94	10	38.2	19,576	572
45670	Andromeda	7½		9	40.15	2,807	47	57	29.0	19,578	476
45671	Andromeda ..	8		9	40.35	2,807	47	57	36.1	19,578	18
45672	Pegasus	7½		9	40.58	3,034	83	6	28.3	19,578	196
45673	Pegasus	7½		9	40.75	3,034	83	6	23.1	19,578	127
45674	Pegasus	8		9	40.82	3,038	83	6	28.0	19,578	128
45675	Pegasus	6½		9	46.75	2,868	55	15	57.7	19,580	302
45676	Pegasus	7		9	46.80	2,868	55	15	58.9	19,580	125
45677	Pegasus	6		9	48.64	2,876	56	17	55.9	19,580	302
45678	Pegasus	6½		9	49.40	2,925	63	35	42.6	19,581	27
45679	Andromeda ..	9		9	50.57	2,749	42	10	23.4	19,581	363
45680	Aquarius	2	23	9	53.44	+3,095	95	0	15.7	-19,582	182

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			h	m	s	s	°	'	"
<u>45681</u>	Cassiopea	<u>8</u>	<u>23</u>	<u>9</u>	<u>54.64</u>	<u>+2,697</u>	<u>37</u>	<u>51</u>	<u>31.3</u>
45682	Pegasus	<u>10</u>		<u>9</u>	<u>57.92</u>	<u>3,034</u>	<u>83</u>	<u>2</u>	<u>20.8</u>
45683	Pisces	<u>9</u>		<u>9</u>	<u>59.48</u>	<u>3,048</u>	<u>85</u>	<u>46</u>	<u>36.9</u>
45684	Pegasus	<u>.</u>	<u>10</u>		<u>3.69</u>	<u>2,971</u>	<u>71</u>	<u>7</u>	<u>58.0</u>
45685	Pisces	<u>8</u>	<u>10</u>		<u>5.17</u>	<u>3,090</u>	<u>94</u>	<u>0</u>	<u>25.8</u>
<u>45686</u>	Pegasus	<u>8</u>	<u>10</u>		<u>6.82</u>	<u>2,975</u>	<u>71</u>	<u>46</u>	<u>39.7</u>
45687	Pisces <i>b</i>	<u>6</u>	<u>10</u>		<u>9.03</u>	<u>3,048</u>	<u>85</u>	<u>42</u>	<u>23.8</u>
45688	Pisces <i>b</i>	<u>6</u>	<u>10</u>		<u>9.54</u>	<u>3,048</u>	<u>85</u>	<u>42</u>	<u>26.7</u>
45689	Andromeda ..	<u>7½</u>	<u>10</u>		<u>11.36</u>	<u>2,843</u>	<u>51</u>	<u>48</u>	<u>5.5</u>
45690	Andromeda ..	<u>6½</u>	<u>10</u>		<u>13.03</u>	<u>2,755</u>	<u>42</u>	<u>28</u>	<u>12.7</u>
45691	Pegasus	<u>9</u>	<u>10</u>		<u>14.04</u>	<u>2,878</u>	<u>56</u>	<u>21</u>	<u>6.9</u>
45692	Aquarius	<u>8</u>	<u>10</u>		<u>15.44</u>	<u>3,120</u>	<u>100</u>	<u>0</u>	<u>37.8</u>
45693	Aquarius	<u>8½</u>	<u>10</u>		<u>17.65</u>	<u>3,108</u>	<u>97</u>	<u>32</u>	<u>32.1</u>
<u>45694</u>	Pegasus	<u>8</u>	<u>10</u>		<u>18.00</u>	<u>2,939</u>	<u>65</u>	<u>39</u>	<u>29.2</u>
<u>45695</u>	Cepheus	<u>8</u>	<u>10</u>		<u>18.77</u>	<u>2,054</u>	<u>15</u>	<u>48</u>	<u>30.0</u>
45696	Andromeda ..	<u>8</u>	<u>10</u>		<u>19.87</u>	<u>2,758</u>	<u>42</u>	<u>42</u>	<u>46.0</u>
45697	Aquarius	<u>8</u>	<u>10</u>		<u>21.67</u>	<u>3,109</u>	<u>97</u>	<u>42</u>	<u>52.6</u>
45698	Aquarius	<u>6½</u>	<u>10</u>		<u>21.85</u>	<u>3,105</u>	<u>96</u>	<u>59</u>	<u>53.4</u>
45699	Aquarius	<u>7</u>	<u>10</u>		<u>22.20</u>	<u>3,105</u>	<u>96</u>	<u>59</u>	<u>50.1</u>
45700	Andromeda ..	<u>7½</u>	<u>10</u>		<u>22.83</u>	<u>2,820</u>	<u>49</u>	<u>0</u>	<u>52.7</u>
45701	Andromeda ..	<u>6½</u>	<u>10</u>		<u>23.00</u>	<u>2,820</u>	<u>49</u>	<u>0</u>	<u>53.1</u>
45702	Andromeda ..	<u>6</u>	<u>10</u>		<u>23.26</u>	<u>2,820</u>	<u>49</u>	<u>0</u>	<u>53.2</u>
45703	Andromeda ..	<u>6</u>	<u>10</u>		<u>23.46</u>	<u>2,820</u>	<u>49</u>	<u>0</u>	<u>51.7</u>
45704	Aquarius	<u>8</u>	<u>10</u>		<u>24.34</u>	<u>3,172</u>	<u>109</u>	<u>38</u>	<u>8.7</u>
<u>45705</u>	Andromeda ..	<u>8</u>	<u>10</u>		<u>24.42</u>	<u>2,812</u>	<u>48</u>	<u>7</u>	<u>45.1</u>
45706	Andromeda ..	<u>7½</u>	<u>10</u>		<u>24.55</u>	<u>2,812</u>	<u>48</u>	<u>7</u>	<u>41.2</u>
45707	Aquarius	<u>8½</u>	<u>10</u>		<u>25.54</u>	<u>3,212</u>	<u>116</u>	<u>20</u>	<u>50.0</u>
45708	Aquarius	<u>8</u>	<u>10</u>		<u>27.39</u>	<u>3,129</u>	<u>101</u>	<u>37</u>	<u>26.9</u>
45709	Andromeda ..	<u>7</u>	<u>10</u>		<u>30.86</u>	<u>2,824</u>	<u>49</u>	<u>20</u>	<u>17.0</u>
45710	Andromeda ..	<u>7</u>	<u>10</u>		<u>31.49</u>	<u>2,824</u>	<u>49</u>	<u>20</u>	<u>13.0</u>
45711	Aquarius	<u>5½</u>	<u>10</u>		<u>34.86</u>	<u>3,222</u>	<u>118</u>	<u>4</u>	<u>45.3</u>
45712	Pisces	<u>8</u>	<u>10</u>		<u>37.55</u>	<u>3,063</u>	<u>88</u>	<u>38</u>	<u>9.1</u>
45713	Pisces	<u>.</u>	<u>10</u>		<u>37.95</u>	<u>3,063</u>	<u>88</u>	<u>38</u>	<u>12.2</u>
45714	Pegasus	<u>7</u>	<u>10</u>		<u>43.44</u>	<u>2,973</u>	<u>71</u>	<u>15</u>	<u>3.0</u>
45715	Pegasus	<u>8</u>	<u>10</u>		<u>43.80</u>	<u>2,999</u>	<u>76</u>	<u>2</u>	<u>30.9</u>
45716	Pegasus	<u>6</u>	<u>10</u>		<u>45.15</u>	<u>2,951</u>	<u>67</u>	<u>21</u>	<u>4.7</u>
45717	Pegasus <i>r</i>	<u>4</u>	<u>10</u>		<u>45.50</u>	<u>2,951</u>	<u>67</u>	<u>21</u>	<u>3.4</u>
45718	Andromeda ..	<u>8</u>	<u>10</u>		<u>46.12</u>	<u>2,812</u>	<u>47</u>	<u>54</u>	<u>43.8</u>
45719	Aquarius	<u>8</u>	<u>10</u>		<u>47.69</u>	<u>3,143</u>	<u>104</u>	<u>21</u>	<u>47.5</u>
45720	Pegasus	<u>8½</u>	<u>23</u>	<u>10</u>	<u>48.23</u>	<u>+2,922</u>	<u>62</u>	<u>38</u>	<u>57.3</u>
									<u>-19,592</u>

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			h m s	s	° ' "	"	
45721	Aquarius	8	23 10 48.39	+3,119	99 45 59.9	-19,599	191
45722	Pegasus	9½	10 51.60	3,027	81 26 38.5	19,600	127
45723	Pegasus	8½	10 52.31	3,027	81 26 34.6	19,600	196
45724	Pegasus	8	10 52.66	2,990	74 22 43.9	19,601	194
45725	Andromeda ..	9	10 53.58	2,865	54 16 47.9	19,601	125
45726	Cassiopea	8	10 53.74	2,646	33 50 54.2	19,601	370
45727	Aquarius	8	10 54.61	3,106	97 17 7.1	19,601	197
45728	Aquarius	8	10 55.10	3,106	97 17 5.9	19,601	189
45729	Pegasus	6½	10 57.24	2,987	73 50 33.1	19,602	194
45730	Pegasus	7	10 57.50	2,987	73 50 30.9	19,602	37
45731	Aquarius	8½	10 57.79	3,161	107 47 3.0	19,602	244
45732	Pisces	8	10 58.15	3,064	88 53 38.5	19,602	119
45733	Pisces . . . . .	.	10 58.81	3,064	88 53 39.6	19,602	121
45734	Aquarius	9	11 2.84	3,105	97 2 47.2	19,604	189
45735	Pegasus	6	11 3.01	2,910	60 40 23.0	19,604	119
45736	Pegasus	8½	11 3.52	2,921	62 14 44.9	19,604	123
45737	Pisces	9½	11 4.89	3,040	84 6 21.2	19,604	128
45738	Andromeda ..	9	11 6.18	2,861	53 34 21.3	19,605	125
45739	Pegasus	9½	11 7.81	3,028	81 39 25.8	19,605	127
45740	Pegasus	8½	11 8.18	3,028	81 39 24.9	19,605	196
45741	Pegasus	7	11 13.14	2,966	69 54 6.3	19,607	33
45742	Andromeda ..	5½	11 15.84	2,856	52 54 25.6	19,608	476
45743	Andromeda ..	6	11 17.73	2,806	46 58 32.3	19,608	3
45744	Aquarius	8½	11 24.98	3,137	103 32 27.4	19,611	191
45745	Aquarius	8	11 27.27	3,119	99 51 11.2	19,611	191
45746	Pegasus	9½	11 34.33	2,878	55 39 0.9	19,613	302
45747	Pegasus	9	11 36.06	3,010	77 54 20.0	19,614	39
45748	Pegasus	8½	11 40.20	2,946	66 8 48.5	19,615	199
45749	Andromeda ..	7½	11 42.49	2,855	52 30 40.2	19,616	476
45750	Pisces	9	11 42.53	3,040	83 51 17.9	19,616	128
45751	Andromeda ..	7½	11 44.17	2,871	54 35 35.1	19,616	125
45752	Pisces	8½	11 47.78	3,038	83 30 8.3	19,617	128
45753	Pisces	9	11 52.54	3,048	85 35 18.3	19,619	108
45754	Pegasus	7	11 53.14	2,971	70 27 16.9	19,619	33
45755	Andromeda ..	7½	11 57.28	2,810	47 0 34.4	19,621	3
45756	Pegasus	8½	11 58.91	2,945	65 52 14.2	19,621	199
45757	Aquarius	9½	12 4.59	3,138	103 53 26.1	19,623	191
45758	Pisces	9	12 5.51	3,077	91 29 38.4	19,623	131
45759	Andromeda ..	9	12 6.29	2,872	54 30 43.0	19,623	125
45760	Pegasus	5½	23 12 9.23	+2,937	64 28 51.2	-19,624	27

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			h m s	s	° ' "	"	
45761	Aquarius	5½	23 12 9.27	+3,150	106 8 1.3	-19,624	186
45762	Aquarius	6	12 9.32	3,150	106 8 4.3	19,624	244
45763	Pegasus	6	12 10.39	2,905	59 16 50.4	19,624	303
45764	Pegasus	6	12 10.47	2,905	59 16 50.6	19,624	120
45765	Aquarius	8	12 12.68	3,196	114 32 36.2	19,625	570
45766	Pisces	•	12 13.20	3,058	87 29 18.9	19,625	121
45767	Pegasus	8	12 14.84	2,978	71 40 54.1	19,626	34
45768	Pegasus	6½	12 15.31	2,925	62 23 34.9	19,626	123
45769	Cepheus	8½	12 16.80	2,175	17 10 1.2	19,626	364
45770	Cepheus	9	12 17.37	2,152	16 45 36.7	19,626	364
45771	Pegasus	•	12 20.24	2,956	67 32 25.3	19,627	31
45772	Pegasus	8	12 24.50	3,039	83 36 23.4	19,629	128
45773	Aquarius .. δ¹	4	12 26.85	3,176	111 11 22.2	19,629	349
45774	Aquarius .. δ¹	5	12 27.36	3,176	111 11 20.0	19,630	201
45775	Aquarius	9	12 27.70	3,195	114 29 11.7	19,630	570
45776	Pisces	8	12 32.67	3,057	87 21 12.7	19,631	121
45777	Aquarius	8	12 34.36	3,127	101 52 18.8	19,631	190
45778	Pegasus	8½	12 35.68	2,922	61 39 34.1	19,632	123
45779	Aquarius	8	12 36.79	3,202	115 42 28.8	19,632	182
45780	Pegasus	5½	12 37.59	2,943	65 10 30.0	19,633	27
45781	Pisces	7	12 40.37	3,061	88 16 30.3	19,633	121
45782	Aquarius	8	12 40.87	3,107	97 41 20.3	19,634	197
45783	Pegasus	5½	12 43.66	2,971	70 15 56.4	19,635	33
45784	Andromeda ..	9½	12 45.06	2,761	41 33 11.0	19,635	363
45785	Pegasus	6½	12 47.32	2,973	70 32 4.8	19,636	33
45786	Andromeda ..	9	12 48.23	2,829	48 37 3.6	19,636	476
45787	Pegasus	9	12 48.78	2,949	66 9 17.4	19,636	199
45788	Andromeda ..	8½	12 52.06	2,876	54 37 6.0	19,637	125
45789	Aquarius	8	12 54.56	3,119	100 28 44.3	19,638	191
45790	Pegasus	9	12 57.38	2,984	72 34 2.1	19,639	34
45791	Pegasus	5½	12 59.88	3,016	78 46 48.5	19,639	40
45792	Pegasus	6	13 0.00	3,016	78 46 46.8	19,639	39
45793	Cepheus	9	13 2.00	2,183	17 3 13.8	19,640	364
45794	Pegasus	9	13 4.01	2,997	75 1 12.6	19,640	194
45795	Pisces	8½	13 5.35	3,090	94 18 38.8	19,641	572
45796	Pisces	9	13 5.79	3,090	94 18 33.5	19,641	187
45797	Cepheus	9	13 9.71	2,195	17 14 28.0	19,642	364
45798	Pisces	8	13 12.44	3,050	85 51 4.8	19,643	108
45799	Pisces	8	13 12.61	3,050	85 51 2.5	19,643	118
45800	Aquarius	8½	23 13 13.06	+3,169	110 12 12.7	-19,643	201

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			h m s	s	° ' "		
45801	Pisces.....	6½	23 13 15.70	+3,073	90 48 12.1	-19,644	119
45802	Pisces.....	7	13 16.64	3,073	90 48 17.7	19,644	131
45803	Aquarius	7	13 21.58	3,216	118 22 30.1	19,645	569
45804	Aquarius	8	13 22.18	3,162	108 53 9.0	19,646	244
45805	Aquarius	9	13 23.71	3,187	113 25 14.8	19,646	570
45806	Andromeda ..	8½	13 24.11	2,859	52 5 42.8	19,646	476
45807	Aquarius	7	13 30.70	3,183	112 51 52.2	19,648	349
45808	Cassiopea	7½	13 33.52	2,711	36 52 11.9	19,649	304
45809	Andromeda ..	8	13 34.23	2,859	51 55 58.5	19,649	476
45810	Aquarius	8	13 43.23	3,110	98 38 44.1	19,652	197
45811	Pegasus	8	13 47.95	2,949	65 47 38.9	19,654	199
45812	Pisces.....	8	13 53.08	3,052	86 9 42.3	19,654	108
45813	Pisces.....	8	13 53.23	3,052	86 9 45.0	19,655	118
45814	Pegasus	9	13 57.43	2,950	65 50 47.0	19,656	199
45815	Pegasus	7	13 58.96	2,907	58 33 54.5	19,657	303
45816	Aquarius	6½	14 3.37	3,214	118 26 35.3	19,658	569
45817	Andromeda ..	8	14 5.91	2,741	38 59 30.9	19,659	306
45818	Pisces.....	8	14 11.46	3,046	84 54 33.0	19,660	128
45819	Aquarius	8½	14 13.49	3,180	112 32 17.3	19,661	349
45820	Andromeda ..	8½	14 14.09	2,802	44 43 34.6	19,661	242
45821	Pegasus	7½	14 15.45	2,925	61 25 18.7	19,661	123
45822	Pegasus	•	14 19.58	2,984	72 6 55.4	19,662	34
45823	Pisces.....	8	14 20.32	3,083	92 50 5.9	19,663	131
45824	Pegasus	8	14 21.04	3,007	76 36 55.0	19,663	37
45825	Pegasus	8	14 21.30	2,927	62 45 4.9	19,663	123
45826	Andromeda ..	9	14 21.38	2,743	39 2 1.0	19,663	306
45827	Aquarius	8	14 22.91	3,185	113 35 50.7	19,663	349
45828	Aquarius	8	14 23.43	3,185	113 35 53.9	19,663	570
45829	Pegasus	7½	14 24.60	2,972	69 40 46.5	19,664	33
45830	Pegasus	8½	14 25.30	2,955	67 6 3.4	19,664	31
45831	Pegasus	7	14 26.09	2,959	67 20 2.7	19,664	31
45832	Cassiopea	6½	14 27.20	2,720	37 3 55.4	19,665	304
45833	Pegasus	8½	14 30.22	2,919	60 20 41.3	19,666	120
45834	Andromeda ..	8	14 32.83	2,890	55 45 54.8	19,666	302
45835	Andromeda ..	6½	14 35.25	2,845	49 28 55.5	19,667	476
45836	Aquarius	9	14 40.29	3,099	96 18 25.7	19,668	189
45837	Pisces.....	9½	14 40.65	3,039	83 12 47.5	19,668	127
45838	Aquarius	9	14 41.79	3,161	109 11 33.3	19,669	201
45839	Pegasus	8	14 42.49	2,920	60 23 8.3	19,669	120
45840	Pegasus	7½	23 14 52.18	+2,951	65 35 58.6	-19,672	199

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			<u>h m s</u>	<u>s</u>	<u>° ′ ″</u>	<u>″</u>	
45841	Aquarius	8	23 14 57.99	+3,140	105 6 34.4	-19,673	186
45842	Pisces.....	9	15 0.08	3,052	86 10 24.2	19,674	108
45843	Andromeda ..	7	15 2.08	2,885	54 44 3.8	19,675	125
45844*	Pisces.....	10	15 3.37	3,047	85 0 30.0	19,675	128
45845	Pegasus	6	15 4.53	2,911	58 42 38.5	19,675	303
45846	Pisces.....	.	15 4.66	3,058	87 22 45.4	19,675	121
45847	Cassiopea	8	15 5.47	2,677	33 33 16.8	19,676	370
45848*	Pisces.....	9	15 11.42	3,047	85 3 18.1	19,677	128
45849	Pegasus	8½	15 22.95	3,002	75 24 28.4	19,681	37
45850	Aquarius	10	15 23.82	3,140	105 15 5.2	19,681	186
45851	Pegasus v	5	15 24.53	2,964	67 41 38.9	19,681	31
45852	Andromeda ..	8	15 28.81	2,844	48 52 14.8	19,682	476
45853	Andromeda ..	8	15 29.10	2,844	48 52 15.0	19,682	18
45854	Pegasus	8½	15 29.62	2,938	62 54 16.0	19,682	123
45855	Pegasus	8½	15 30.44	2,993	73 26 45.1	19,682	194
45856	Aquarius	6	15 32.42	3,210	118 31 24.1	19,683	569
45857	Pegasus	9	15 33.04	2,913	58 37 33.4	19,683	303
45858	Andromeda ..	7½	15 38.86	2,889	54 55 55.9	19,685	125
45859	Pegasus	8	15 40.71	2,949	64 54 29.2	19,686	27
45860	Pegasus	7½	15 43.84	3,034	82 10 56.3	19,687	196
45861	Pegasus	7	15 44.81	2,956	66 8 29.1	19,687	199
45862	Andromeda ..	9½	15 45.95	2,814	45 6 57.5	19,687	364
45863	Aquarius	8½	15 46.00	3,185	114 9 58.4	19,687	570
45864	Andromeda ..	9	15 53.91	2,780	41 27 12.1	19,689	363
45865	Aquarius	8	15 54.46	3,134	104 2 52.6	19,689	191
45866	Pegasus	7½	16 0.15	3,035	82 10 4.2	19,691	196
45867	Pegasus	8	16 0.62	3,035	82 10 2.9	19,691	127
45868	Aquarius	6½	16 1.63	3,177	112 50 14.1	19,692	349
45869	Pegasus	9	16 3.51	2,917	59 4 11.9	19,692	303
45870	Pegasus	9	16 7.08	2,942	63 24 12.2	19,693	27
45871	Pegasus	8	16 8.58	2,942	63 23 18.1	19,693	27
45872	Pegasus	8	16 8.62	2,942	63 23 20.3	19,693	123
45873	Pisces.....	9	16 9.48	3,055	86 45 19.4	19,693	108
45874	Pisces.....	8½	16 9.77	3,055	86 38 34.5	19,694	118
45875	Pegasus	8	16 11.63	2,953	65 25 50.3	19,694	199
45876	Aquarius	8½	16 13.46	3,120	101 2 49.5	19,695	191
45877	Aquarius	7	16 13.53	3,104	97 42 11.0	19,695	197
45878	Pegasus	7	16 18.73	3,036	82 26 25.6	19,696	196
45879	Pegasus	7	16 18.86	3,035	82 16 30.1	19,696	127
45880	Aquarius	8½	23 16 18.96	+3,098	96 19 47.7	-19,696	189

No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1800.	Annual Preces.	North Polar Distance, Jan. 1, 1800.	Annual Preces.	Page in H. Cél.
			h m s	s	° ' "	"	
45881	Andromeda ..	8	<u>23 16 19.53</u>	<u>+2,846</u>	<u>48 33 46.4</u>	<u>-19,697</u>	<u>476</u>
45882	Andromeda ..	8½	<u>16 19.66</u>	<u>2,846</u>	<u>48 33 50.5</u>	<u>19,697</u>	<u>18</u>
45883	Cassiopea	6½	<u>16 20.48</u>	<u>2,747</u>	<u>38 6 58.0</u>	<u>19,697</u>	<u>304</u>
45884	Cassiopea	7	<u>16 20.92</u>	<u>2,747</u>	<u>38 7 2.0</u>	<u>19,697</u>	<u>306</u>
45885	Aquarius	8	<u>16 21.53</u>	<u>3,124</u>	<u>102 7 49.7</u>	<u>19,697</u>	<u>190</u>
45886	Andromeda ..	6½	<u>16 22.13</u>	<u>2,870</u>	<u>51 45 27.4</u>	<u>19,697</u>	<u>476</u>
45887	Andromeda ..	9	<u>16 24.75</u>	<u>2,784</u>	<u>41 31 47.0</u>	<u>19,698</u>	<u>363</u>
45888	Aquarius	7½	<u>16 26.84</u>	<u>3,181</u>	<u>113 49 14.5</u>	<u>19,698</u>	<u>570</u>
45889	Aquarius	8	<u>16 26.96</u>	<u>3,181</u>	<u>113 49 14.9</u>	<u>19,698</u>	<u>349</u>
45890	Pegasus	8½	<u>16 28.40</u>	<u>2,995</u>	<u>73 35 16.2</u>	<u>19,699</u>	<u>194</u>
45891	Cassiopea	7	<u>16 29.30</u>	<u>2,744</u>	<u>37 44 10.6</u>	<u>19,699</u>	<u>304</u>
45892	Aquarius	7	<u>16 29.50</u>	<u>3,144</u>	<u>106 20 45.1</u>	<u>19,699</u>	<u>186</u>
45893	Cassiopea	8	<u>16 30.00</u>	<u>2,744</u>	<u>37 44 11.6</u>	<u>19,699</u>	<u>306</u>
45894	Pisces.....	7	<u>16 30.93</u>	<u>3,064</u>	<u>88 37 5.4</u>	<u>19,700</u>	<u>121</u>
45895	Pisces.....x	5	<u>16 41.22</u>	<u>3,069</u>	<u>89 50 14.8</u>	<u>19,702</u>	<u>119</u>
45896	Pisces.....x	6	<u>16 41.81</u>	<u>3,069</u>	<u>89 50 13.8</u>	<u>19,702</u>	<u>187</u>
45897	Pegasus	8	<u>16 42.50</u>	<u>2,921</u>	<u>59 20 59.1</u>	<u>19,703</u>	<u>120</u>
45898	Cassiopea	8	<u>16 43.71</u>	<u>2,747</u>	<u>37 55 13.8</u>	<u>19,703</u>	<u>304</u>
45899	Cassiopea	8½	<u>16 44.42</u>	<u>2,748</u>	<u>37 55 11.8</u>	<u>19,703</u>	<u>306</u>
45900	Pegasus	8½	<u>16 45.41</u>	<u>2,937</u>	<u>62 3 31.0</u>	<u>19,704</u>	<u>123</u>
45901	Andromeda ..	8	<u>16 49.69</u>	<u>2,865</u>	<u>50 42 2.8</u>	<u>19,705</u>	<u>5</u>
45902	Aquarius	7½	<u>16 53.84</u>	<u>3,205</u>	<u>118 22 37.4</u>	<u>19,706</u>	<u>569</u>
45903	Aquarius	7½	<u>16 55.56</u>	<u>3,086</u>	<u>93 43 45.5</u>	<u>19,706</u>	<u>572</u>
45904	Pegasus	9½	<u>16 59.09</u>	<u>3,017</u>	<u>77 59 1.2</u>	<u>19,707</u>	<u>39</u>
45905	Pisces.....	7	<u>17 0.41</u>	<u>3,070</u>	<u>89 58 22.0</u>	<u>19,707</u>	<u>119</u>
45906	Pisces.....	7	<u>17 0.89</u>	<u>3,070</u>	<u>89 58 26.2</u>	<u>19,708</u>	<u>187</u>
45907	Aquarius	8	<u>17 1.43</u>	<u>3,132</u>	<u>104 1 34.4</u>	<u>19,708</u>	<u>191</u>
45908	Pegasus	8	<u>17 1.51</u>	<u>2,957</u>	<u>65 41 38.4</u>	<u>19,708</u>	<u>199</u>
45909	Cassiopea	7½	<u>17 3.70</u>	<u>2,750</u>	<u>37 55 52.8</u>	<u>19,708</u>	<u>304</u>
45910	Andromeda ..	8	<u>17 3.75</u>	<u>2,850</u>	<u>48 32 24.4</u>	<u>19,708</u>	<u>476</u>
45911	Andromeda ..	9	<u>17 4.14</u>	<u>2,850</u>	<u>48 32 21.7</u>	<u>19,709</u>	<u>3</u>
45912	Cassiopea	7½	<u>17 4.92</u>	<u>2,750</u>	<u>37 55 46.8</u>	<u>19,709</u>	<u>306</u>
45913	Andromeda ..	8½	<u>17 5.63</u>	<u>2,861</u>	<u>50 3 5.2</u>	<u>19,709</u>	<u>5</u>
45914	Aquarius	8	<u>17 7.54</u>	<u>3,201</u>	<u>117 46 29.2</u>	<u>19,710</u>	<u>569</u>
45915	Andromeda ..	8½	<u>17 7.60</u>	<u>2,810</u>	<u>43 47 52.1</u>	<u>19,710</u>	<u>242</u>
45916	Pisces.....	9	<u>17 9.07</u>	<u>3,055</u>	<u>86 38 31.0</u>	<u>19,710</u>	<u>108</u>
45917	Pegasus	8	<u>17 9.44</u>	<u>3,039</u>	<u>83 1 57.5</u>	<u>19,710</u>	<u>196</u>
45918	Pegasus	8	<u>17 9.58</u>	<u>3,039</u>	<u>83 1 55.0</u>	<u>19,710</u>	<u>128</u>
45919	Pegasus	8	<u>17 13.18</u>	<u>2,918</u>	<u>58 34 41.3</u>	<u>19,711</u>	<u>303</u>
45920	Pegasus	•	<u>23 17 14.97</u>	<u>+2,989</u>	<u>71 53 3.6</u>	<u>-19,712</u>	<u>34</u>

No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1800.	Annual Preces.	North Polar Distance, Jan. 1, 1800.	Annual Preces.	Page in IL. Ccl.
			<u>h</u> <u>m</u> <u>s</u>	<u>s</u>	<u>°</u> <u>'</u> <u>"</u>	<u>"</u>	
45921	Aquarius	8	<u>23</u> <u>17</u> <u>18,50</u>	<u>+3,199</u>	<u>117</u> <u>32</u> <u>55,1</u>	<u>-19,712</u>	<u>569</u>
45922	Andromeda ..	<u>8½</u>	<u>17</u> <u>22,02</u>	<u>2,884</u>	<u>53</u> <u>7</u> <u>2,7</u>	<u>19,713</u>	<u>476</u>
45923	Andromeda ..	9	<u>17</u> <u>22,36</u>	<u>2,884</u>	<u>53</u> <u>6</u> <u>54,2</u>	<u>19,713</u>	<u>125</u>
45924	Andromeda ..	8	<u>17</u> <u>26,72</u>	<u>2,884</u>	<u>53</u> <u>4</u> <u>33,6</u>	<u>19,715</u>	<u>476</u>
45925	Andromeda ..	8	<u>17</u> <u>27,36</u>	<u>2,884</u>	<u>53</u> <u>4</u> <u>37,2</u>	<u>19,715</u>	<u>125</u>
45926	Pegasus	9	<u>17</u> <u>28,90</u>	<u>3,001</u>	<u>74</u> <u>28</u> <u>33,3</u>	<u>19,715</u>	<u>194</u>
45927	Pisces	8	<u>17</u> <u>29,07</u>	<u>3,066</u>	<u>89</u> <u>12</u> <u>41,4</u>	<u>19,715</u>	<u>121</u>
45928	Aquarius	7	<u>17</u> <u>29,42</u>	<u>3,142</u>	<u>106</u> <u>23</u> <u>45,4</u>	<u>19,716</u>	<u>186</u>
45929	Pegasus	8	<u>17</u> <u>30,05</u>	<u>2,958</u>	<u>65</u> <u>37</u> <u>36,4</u>	<u>19,716</u>	<u>199</u>
45930	Andromeda ..	6	<u>17</u> <u>30,11</u>	<u>2,849</u>	<u>48</u> <u>11</u> <u>16,8</u>	<u>19,716</u>	<u>18</u>
45931	Andromeda ..	6	<u>17</u> <u>30,74</u>	<u>2,849</u>	<u>48</u> <u>11</u> <u>15,0</u>	<u>19,716</u>	<u>476</u>
45932	Andromeda ..	<u>5½</u>	<u>17</u> <u>30,86</u>	<u>2,849</u>	<u>48</u> <u>11</u> <u>18,3</u>	<u>19,716</u>	<u>3</u>
45933	Pegasus	8	<u>17</u> <u>33,85</u>	<u>2,997</u>	<u>73</u> <u>28</u> <u>8,8</u>	<u>19,717</u>	<u>194</u>
45934	Pisces	8	<u>17</u> <u>36,02</u>	<u>3,050</u>	<u>85</u> <u>21</u> <u>30,1</u>	<u>19,717</u>	<u>108</u>
45935	Pisces	8	<u>17</u> <u>36,02</u>	<u>3,050</u>	<u>85</u> <u>21</u> <u>35,1</u>	<u>19,717</u>	<u>118</u>
45936	Pegasus	<u>7½</u>	<u>17</u> <u>36,35</u>	<u>3,040</u>	<u>83</u> <u>1</u> <u>57,0</u>	<u>19,717</u>	<u>127</u>
45937	Aquarius	6	<u>17</u> <u>40,51</u>	<u>3,124</u>	<u>102</u> <u>32</u> <u>48,2</u>	<u>19,718</u>	<u>190</u>
45938	Aquarius	8	<u>17</u> <u>42,82</u>	<u>3,128</u>	<u>103</u> <u>18</u> <u>33,9</u>	<u>19,719</u>	<u>191</u>
45939	Pegasus	<u>8½</u>	<u>17</u> <u>43,16</u>	<u>2,938</u>	<u>61</u> <u>51</u> <u>50,7</u>	<u>19,719</u>	<u>123</u>
45940	Andromeda ..	8	<u>17</u> <u>43,27</u>	<u>2,831</u>	<u>45</u> <u>45</u> <u>19,1</u>	<u>19,719</u>	<u>11</u>
45941	Pegasus	<u>6½</u>	<u>17</u> <u>44,91</u>	<u>2,960</u>	<u>65</u> <u>55</u> <u>45,6</u>	<u>19,720</u>	<u>199</u>
45942	Pisces	<u>8½</u>	<u>17</u> <u>46,22</u>	<u>3,081</u>	<u>92</u> <u>33</u> <u>55,9</u>	<u>19,720</u>	<u>131</u>
45943	Pegasus	<u>9½</u>	<u>17</u> <u>49,09</u>	<u>3,026</u>	<u>79</u> <u>57</u> <u>41,4</u>	<u>19,721</u>	<u>40</u>
45944	Pisces 0	5	<u>17</u> <u>49,61</u>	<u>3,047</u>	<u>84</u> <u>43</u> <u>4,3</u>	<u>19,721</u>	<u>128</u>
45945	Aquarius	7	<u>17</u> <u>50,26</u>	<u>3,192</u>	<u>116</u> <u>31</u> <u>9,0</u>	<u>19,721</u>	<u>182</u>
45946	Pisces	<u>7½</u>	<u>17</u> <u>51,58</u>	<u>3,085</u>	<u>93</u> <u>32</u> <u>53,0</u>	<u>19,722</u>	<u>572</u>
45947	Pegasus	8	<u>17</u> <u>56,16</u>	<u>3,037</u>	<u>82</u> <u>27</u> <u>59,5</u>	<u>19,722</u>	<u>196</u>
45948	Andromeda ..	8	<u>17</u> <u>56,22</u>	<u>2,884</u>	<u>52</u> <u>51</u> <u>13,4</u>	<u>19,722</u>	<u>476</u>
45949	Pegasus	8	<u>17</u> <u>56,38</u>	<u>3,037</u>	<u>82</u> <u>28</u> <u>4,2</u>	<u>19,723</u>	<u>127</u>
45950	Pegasus	<u>8½</u>	<u>18</u> <u>0,57</u>	<u>2,969</u>	<u>67</u> <u>30</u> <u>45,3</u>	<u>19,724</u>	<u>31</u>
45951	Pegasus	<u>7½</u>	<u>18</u> <u>3,21</u>	<u>2,918</u>	<u>58</u> <u>8</u> <u>18,7</u>	<u>19,724</u>	<u>303</u>
45952	Pisces	8	<u>18</u> <u>5,17</u>	<u>3,048</u>	<u>85</u> <u>1</u> <u>22,6</u>	<u>19,725</u>	<u>128</u>
45953	Pisces	<u>7½</u>	<u>18</u> <u>10,15</u>	<u>3,086</u>	<u>93</u> <u>45</u> <u>5,6</u>	<u>19,726</u>	<u>572</u>
45954	Pisces	9	<u>18</u> <u>11,38</u>	<u>3,085</u>	<u>93</u> <u>45</u> <u>1,4</u>	<u>19,726</u>	<u>187</u>
45955	Pisces	8	<u>18</u> <u>17,63</u>	<u>3,050</u>	<u>85</u> <u>17</u> <u>31,0</u>	<u>19,728</u>	<u>118</u>
45956	Pisces	<u>8½</u>	<u>18</u> <u>17,64</u>	<u>3,050</u>	<u>85</u> <u>17</u> <u>21,9</u>	<u>19,728</u>	<u>108</u>
45957	Pegasus	<u>8½</u>	<u>18</u> <u>20,52</u>	<u>2,939</u>	<u>61</u> <u>34</u> <u>45,4</u>	<u>19,729</u>	<u>123</u>
45958	Pegasus	<u>7½</u>	<u>18</u> <u>22,49</u>	<u>3,034</u>	<u>81</u> <u>40</u> <u>17,9</u>	<u>19,730</u>	<u>127</u>
45959	Pegasus	<u>7½</u>	<u>18</u> <u>22,76</u>	<u>3,034</u>	<u>81</u> <u>40</u> <u>19,2</u>	<u>19,730</u>	<u>196</u>
45960	Pegasus	<u>23</u> <u>18</u> <u>24,44</u>	<u>+2,988</u>	<u>71</u> <u>12</u> <u>47,6</u>	<u>-19,730</u>	<u>34</u>

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			h	m	s		°	'	"		
45961	Aquarius	7½	23	18	27.48	+3.097	96	29	12.9	-19.731	189
45962	Aquarius	7½		18	28.97	3.205	119	21	38.9	19.731	569
45963	Andromeda ..	9½		18	36.32	2.897	54	19	12.0	19.733	125
45964	Andromeda ..	8½		18	37.94	2.884	52	20	5.9	19.734	476
45965	Aquarius	6½		18	39.72	3.114	100	21	48.5	19.734	191
45966	Aquarius	8		18	40.70	3.173	113	14	47.9	19.734	570
45967	Pisces.....	8½		18	46.72	3.080	92	34	4.9	19.736	131
45968	Aquarius	8		18	51.92	3.182	115	8	14.3	19.737	570
45969	Aquarius	7½		18	52.30	3.182	115	8	23.2	19.737	182
45970	Andromeda ..	8		18	55.25	2.835	45	24	18.8	19.738	11
45971	Pegasus	7		18	59.03	3.006	75	5	14.0	19.739	194
45972	Pegasus	8		18	59.43	3.006	75	5	14.4	19.739	37
45973	Pegasus	8		19	0.54	2.928	59	18	10.7	19.740	120
45974	Pegasus q	5½		19	2.97	3.021	78	19	27.3	19.740	39
45975	Pisces.....	9		19	4.74	3.089	94	41	43.0	19.741	187
45976	Andromeda ..	9		19	5.31	2.810	42	27	20.6	19.741	363
45977	Andromeda ..	8		19	7.76	2.861	48	41	17.4	19.741	3
45978	Andromeda ..	7½		19	8.35	2.861	48	41	17.5	19.741	476
45979	Andromeda ..	7½		19	8.63	2.861	48	41	16.1	19.741	18
45980	Pisces.....	7		19	11.21	3.093	95	37	9.2	19.742	189
45981	Pisces.....	7		19	11.27	3.082	92	53	19.5	19.742	131
45982	Aquarius	8		19	16.61	3.103	97	56	3.4	19.744	197
45983	Pegasus	8		19	21.01	2.930	59	23	45.8	19.745	120
45984	Pisces.....	9		19	22.16	3.049	84	59	41.5	19.745	128
45985	Pegasus	8½		19	25.32	2.925	58	25	57.9	19.746	303
45986	Pegasus	8		19	25.69	2.961	65	17	12.1	19.746	27
45987	Pegasus	8½		19	25.72	2.961	65	17	9.8	19.746	199
45988	Cassiopea	9		19	30.22	2.769	38	0	49.7	19.747	306
45989	Cassiopea	7		19	31.36	2.763	37	26	0.0	19.747	304
45990	Aquarius	8½		19	31.69	3.173	113	45	34.4	19.747	349
45991	Cassiopea	7½		19	32.07	2.763	37	25	58.2	19.748	306
45992	Aquarius	9		19	33.40	3.128	103	58	29.0	19.748	191
45993	Aquarius	8½		19	38.78	3.100	97	21	47.6	19.749	197
45994	Andromeda ..	7½		19	39.12	2.864	48	44	23.0	19.749	18
45995	Andromeda ..	7½		19	39.27	2.864	48	44	20.5	19.750	476
45996	Andromeda ..	8		19	39.78	2.864	48	44	22.3	19.750	3
45997	Pisces.....	9		19	41.88	3.069	89	56	7.6	19.750	119
45998	Aquarius	7		19	43.65	3.169	112	59	9.5	19.751	349
45999	Pegasus	9½		19	45.86	3.026	79	25	21.4	19.751	40
46000	Cepheus.....	8	23	19	48.08	+2.305	16	58	47.1	-19.751	364

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46001	Cassiopea	8½	23	19	48.56	+2,759	37	41	51.4	-19,752	306
46002	Andromeda ..	8		19	53.72	2,891	52	27	26.0	19,753	476
46003	Andromeda ..	8		19	54.32	2,834	44	38	7.6	19,753	364
46004	Andromeda ..	7		19	54.47	2,834	44	37	59.8	19,753	242
46005	Pegasus	8½		19	55.52	2,932	59	23	38.7	19,754	120
46006	Pegasus	9		19	56.60	2,947	62	12	3.7	19,754	123
46007	Pegasus	8		19	58.16	2,967	66	19	32.8	19,754	199
46008	Aquarius	9		19	58.70	3,169	113	6	31.6	19,754	349
46009	Pisces.....	8		20	1.81	3,054	86	5	18.4	19,755	108
46010	Pisces.....	8		20	2.40	3,054	86	5	19.1	19,755	118
46011	Pegasus	8		20	3.18	2,983	69	33	1.7	19,755	35
46012	Cassiopea	8		20	3.44	2,772	37	57	31.6	19,756	306
46013	Aquarius	8		20	5.62	3,179	115	17	49.1	19,756	570
46014	Aquarius	8		20	6.09	3,179	115	17	49.1	19,757	182
46015	Pegasus	8		20	6.51	2,914	56	5	10.8	19,757	302
46016	Andromeda ..	9		20	7.13	2,819	42	43	6.7	19,757	363
46017	Pisces.....	9		20	11.62	3,048	84	40	24.9	19,758	128
46018	Andromeda ..	8		20	14.31	2,856	47	9	38.0	19,758	18
46019	Andromeda ..	8		20	15.76	2,856	47	9	0.8	19,759	11
46020	Cepheus.....	.		20	16.23	2,294	16	33	5.4	19,759	364
46021	Pegasus	8		20	21.44	2,935	59	43	17.9	19,760	120
46022	Pisces.....	8		20	26.51	3,071	90	13	22.1	19,762	119
46023	Aquarius	8		20	26.88	3,140	107	4	45.9	19,762	186
46024	Pegasus	8		20	28.55	3,006	74	32	11.0	19,762	194
46025	Pisces.....	8½		20	29.62	3,053	85	50	54.8	19,762	108
46026	Pisces.....	9		20	29.62	3,053	85	51	10.8	19,762	108
46027	Pisces.....	8½		20	29.68	3,053	85	51	1.7	19,762	118
46028	Pisces.....	9		20	29.68	3,053	85	51	10.7	19,762	118
46029	Andromeda ..	8		20	33.44	2,853	46	39	39.1	19,763	11
46030	Pegasus	9		20	34.06	3,032	80	44	21.1	19,763	40
46031	Andromeda ..	9		20	36.82	2,838	44	38	9.7	19,764	242
46032	Andromeda ..	9½		20	37.35	2,838	44	38	13.4	19,764	364
46033	Aquarius	7		20	38.93	3,094	96	2	39.7	19,765	189
46034	Aquarius	7		20	42.03	3,099	97	23	11.5	19,765	197
46035	Pegasus	8		20	43.57	2,982	69	3	7.8	19,766	31
46036	Pegasus	8½		20	44.51	2,982	69	3	12.0	19,766	35
46037	Pegasus	8		20	44.85	3,042	83	6	9.7	19,766	127
46038	Pegasus	8		20	44.91	3,042	83	6	11.6	19,766	128
46039	Pegasus	8		20	45.19	3,042	83	6	15.3	19,766	196
46040	Pegasus	9	23	20	46.24	+3,043	83	22	9.5	-19,767	128

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46041	Pisces.....	8½	23 20 46,51	+3,076	91 41 48,8	-19,767	131
46042	Pegasus	8	20 46,63	3,037	81 37 2,9	19,767	196
46043	Pegasus	8	20 46,78	3,036	81 36 59,5	19,767	127
46044	Cepheus.....	8	20 47,98	2,331	17 7 3,9	19,767	364
46045	Pisces.....	8	20 52,68	3,065	88 44 2,1	19,768	121
46046	Aquarius	8½	20 53,08	3,123	103 17 38,6	19,768	191
46047	Andromeda ..	6	20 55,50	2,895	52 26 21,0	19,769	476
46048	Pegasus	7	20 58,31	2,924	57 15 47,5	19,769	303
46049	Pegasus	7	20 58,98	2,924	57 15 50,1	19,770	302
46050	Cepheus.....	8	20 59,50	2,320	16 48 50,5	19,770	364
46051	Andromeda ..	8	21 2,81	2,860	47 7 20,6	19,771	11
46052	Andromeda ..	8½	21 2,87	2,860	47 7 29,8	19,771	18
46053	Pisces.....	9	21 7,19	3,091	95 21 17,3	19,772	189
46054	Pisces.....	8	21 7,67	3,091	95 20 53,8	19,772	572
46055	Andromeda ..	9	21 8,26	2,844	44 56 50,0	19,772	242
46056	Pisces.....	7½	21 10,94	3,090	95 10 37,2	19,772	187
46057	Pisces.....	7	21 11,34	3,090	95 10 42,3	19,772	572
46058	Pisces.....	7	21 11,68	3,090	95 10 39,8	19,772	189
46059	Aquarius	6	21 11,71	3,163	112 28 10,7	19,772	201
46060	Pegasus	8	21 11,97	3,035	81 20 24,1	19,773	127
46061	Aquarius	6½	21 12,03	3,163	112 28 12,9	19,773	349
46062	Pegasus	7	21 12,12	3,035	81 20 23,4	19,773	196
46063	Cepheus.....	7	21 12,23	2,278	15 52 31,3	19,773	364
46064	Aquarius .. 6 ³	5	21 12,47	3,163	112 28 11,7	19,773	244
46065	Pegasus	9	21 16,89	2,963	64 37 30,9	19,774	27
46066	Aquarius	8	21 18,86	3,162	112 21 6,8	19,774	349
46067	Aquarius	7	21 19,17	3,162	112 21 2,8	19,775	201
46068	Aquarius	8½	21 20,01	3,134	105 54 28,4	19,775	186
46069	Pegasus	8	21 20,09	3,009	74 52 51,4	19,775	194
46070	Aquarius	7	21 22,02	3,183	116 50 43,6	19,775	182
46071	Aquarius	8	21 27,44	3,122	103 2 59,4	19,777	191
46072	Aquarius ....	.	21 28,70	3,122	103 2 58,0	19,777	190
46073	Andromeda ..	5½	21 29,17	2,894	51 51 42,3	19,777	476
46074	Aquarius	8	21 30,04	3,134	106 2 14,1	19,777	186
46075	Pisces.....	9	21 30,91	3,069	89 52 51,3	19,777	119
46076	Pegasus	8	21 31,89	2,998	72 19 18,5	19,777	34
46077	Pegasus	9½	21 32,50	3,037	81 46 54,7	19,778	127
46078	Pegasus	8½	21 32,82	3,037	81 46 52,1	19,778	196
46079	Pegasus	6	21 35,83	2,953	62 26 3,9	19,778	123
46080	Pisces.....	7	23 21 41,72	+3,078	92 11 17,8	-19,780	131

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46081	Pegasus	8	23	21	43.39	+2,975	66	51	16.1	-19,780	199
46082	Pegasus	7	21	44.25	2,928		57	24	5.5	19,781	303
46083	Pegasus	7	21	44.31	2,928		57	24	8.1	19,781	302
46084	Pegasus	6	21	49.34	2,955		62	41	49.1	19,782	123
46085	Aquarius	6½	21	50.10	3,119		102	38	46.4	19,782	190
46086	Pisces.....	9	21	51.14	3,086		94	7	48.2	19,782	187
46087	Andromeda ..	8	21	52.60	2,793		38	41	22.2	19,782	306
46088	Pisces.....	9	21	53.05	3,053		85	49	4.6	19,783	108
46089	Andromeda ..	9	21	54.92	2,820		41	35	44.9	19,783	363
46090	Aquarius	6½	22	3.16	3,117		102	6	2.0	19,785	190
46091	Pegasus	8½	22	4.66	3,008		74	28	24.8	19,786	194
46092	Andromeda ..	9	22	10.40	2,906		53	15	48.8	19,787	125
46093	Pisces.....	8	22	11.80	3,054		87	3	12.6	19,787	118
46094	Andromeda ..	7½	22	11.88	2,865		47	1	46.3	19,787	11
46095	Andromeda ..	7½	22	11.92	2,865		47	1	19.5	19,787	18
46096	Andromeda ..	8½	22	12.06	2,916		55	2	37.2	19,787	125
46097	Andromeda ..	8	22	12.18	2,903		52	47	43.2	19,787	476
46098	Andromeda ..	9	22	12.70	2,865		47	1	52.1	19,787	3
46099	Pegasus	9½	22	13.71	3,031		79	55	29.8	19,788	40
46100	Pisces.....	9	22	15.76	3,062		88	3	42.8	19,788	121
46101	Aquarius	9	22	18.99	3,097		97	14	26.0	19,789	197
46102	Pegasus	8	22	19.93	2,966		64	32	48.6	19,789	27
46103	Pegasus	7½	22	21.42	3,006		73	41	52.7	19,790	194
46104	Andromeda ..	8	22	21.90	2,868		47	16	14.8	19,790	18
46105	Andromeda ..	8	22	22.24	2,868		47	16	51.2	19,790	3
46106	Andromeda ..	8	22	22.34	2,867		47	11	47.4	19,790	11
46107	Andromeda ..	9	22	23.38	2,853		45	17	42.9	19,790	364
46108	Andromeda ..	8	22	23.74	2,853		45	12	41.2	19,790	242
46109	Pegasus	9	22	27.22	3,032		80	7	28.0	19,791	40
46110	Pegasus	9½	22	29.91	3,043		82	58	15.4	19,792	127
46111	Pegasus	8	22	30.42	2,966		64	34	59.6	19,792	27
46112	Pegasus	7	22	30.69	2,978		67	15	23.5	19,792	199
46113	Pegasus	7	22	30.88	2,978		67	15	24.2	19,792	31
46114	Pisces.....	9½	22	31.55	3,077		91	56	34.1	19,792	131
46115	Andromeda ..	•	22	34.60	2,918		55	5	42.1	19,792	125
46116	Aquarius	8	22	35.58	3,109		100	15	38.8	19,793	191
46117	Pisces.....	7½	22	38.25	3,085		94	7	8.8	19,793	572
46118	Pisces.....	8	22	38.68	3,085		94	7	0.1	19,794	187
46119	Pegasus	8½	22	38.92	2,943		59	39	23.6	19,794	120
46120	Pegasus	7	23	22	39.17	+2,931	57	21	39.5	-19,794	303

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46121	Pegasus	7	<u>23 22 39.75</u>	<u>+2,931</u>	<u>57 21 39.0</u>	<u>-19,794</u>	<u>302</u>
46122	Pisces.....	<u>8½</u>	<u>22 41.96</u>	<u>3,061</u>	<u>87 43 16.2</u>	<u>19,794</u>	<u>121</u>
46123	Aquarius	<u>8½</u>	<u>22 43.52</u>	<u>3,110</u>	<u>100 28 13.5</u>	<u>19,795</u>	<u>191</u>
<u>46124</u>	Aquarius .. 8 ^h	<u>5</u>	<u>22 47.72</u>	<u>3,157</u>	<u>112 1 1.9</u>	<u>19,796</u>	<u>349</u>
46125	Aquarius .. 8 ^h	<u>5</u>	<u>22 48.06</u>	<u>3,157</u>	<u>112 0 55.3</u>	<u>19,796</u>	<u>201</u>
46126	Aquarius	<u>8</u>	<u>22 48.10</u>	<u>3,157</u>	<u>112 0 56.8</u>	<u>19,796</u>	<u>244</u>
<u>46127</u>	Aquarius	<u>8½</u>	<u>22 49.50</u>	<u>3,110</u>	<u>100 34 7.9</u>	<u>19,796</u>	<u>191</u>
46128	Aquarius	<u>8</u>	<u>22 50.64</u>	<u>3,122</u>	<u>103 42 39.5</u>	<u>19,797</u>	<u>191</u>
<u>46129</u>	Aquarius	<u>8</u>	<u>22 51.52</u>	<u>3,098</u>	<u>97 30 11.8</u>	<u>19,797</u>	<u>197</u>
46130	Pisces.....	.	<u>22 54.70</u>	<u>3,086</u>	<u>94 13 57.1</u>	<u>19,797</u>	<u>572</u>
46131	Aquarius	<u>9</u>	<u>22 57.84</u>	<u>3,122</u>	<u>103 46 3.8</u>	<u>19,798</u>	<u>191</u>
46132	Pisces.....	<u>8</u>	<u>22 58.76</u>	<u>3,057</u>	<u>86 45 37.9</u>	<u>19,798</u>	<u>118</u>
46133	Cassiopea	<u>8</u>	<u>23 0.04</u>	<u>2,793</u>	<u>37 48 16.2</u>	<u>19,799</u>	<u>306</u>
46134	Pisces.....	<u>7½</u>	<u>23 2.55</u>	<u>3,047</u>	<u>84 0 46.7</u>	<u>19,799</u>	<u>128</u>
46135	Cepheus.....	<u>7</u>	<u>23 8.93</u>	<u>2,158</u>	<u>13 12 43.1</u>	<u>19,801</u>	<u>351</u>
46136	Cassiopea	<u>7</u>	<u>23 9.93</u>	<u>2,790</u>	<u>37 24 55.9</u>	<u>19,801</u>	<u>306</u>
46137	Pisces.....	<u>7½</u>	<u>23 10.21</u>	<u>3,090</u>	<u>95 30 12.5</u>	<u>19,801</u>	<u>189</u>
46138	Pisces.....	<u>8</u>	<u>23 10.73</u>	<u>3,056</u>	<u>86 27 42.4</u>	<u>19,801</u>	<u>118</u>
46139	Andromeda ..	<u>8</u>	<u>23 18.29</u>	<u>2,856</u>	<u>44 58 47.3</u>	<u>19,803</u>	<u>364</u>
46140	Andromeda ..	<u>7</u>	<u>23 18.29</u>	<u>2,856</u>	<u>44 54 47.7</u>	<u>19,803</u>	<u>242</u>
46141	Pisces.....	<u>9</u>	<u>23 19.15</u>	<u>3,054</u>	<u>85 44 41.3</u>	<u>19,803</u>	<u>108</u>
46142	Pisces.....	<u>8</u>	<u>23 25.81</u>	<u>3,082</u>	<u>93 20 45.9</u>	<u>19,805</u>	<u>187</u>
46143	Andromeda ..	.	<u>23 26.33</u>	<u>2,906</u>	<u>52 25 55.9</u>	<u>19,805</u>	<u>476</u>
46144	Aquarius	<u>7½</u>	<u>23 26.86</u>	<u>3,173</u>	<u>115 57 29.9</u>	<u>19,805</u>	<u>570</u>
46145	Aquarius	<u>8</u>	<u>23 27.52</u>	<u>3,173</u>	<u>115 57 50.8</u>	<u>19,805</u>	<u>182</u>
46146	Pegasus	<u>6</u>	<u>23 28.20</u>	<u>2,986</u>	<u>68 36 6.8</u>	<u>19,805</u>	<u>31</u>
46147	Pegasus	<u>6½</u>	<u>23 28.21</u>	<u>3,006</u>	<u>73 17 5.4</u>	<u>19,805</u>	<u>34</u>
46148	Pegasus	<u>7½</u>	<u>23 28.30</u>	<u>3,006</u>	<u>73 17 10.0</u>	<u>19,805</u>	<u>194</u>
46149	Pegasus	<u>7½</u>	<u>23 28.33</u>	<u>2,979</u>	<u>66 45 35.9</u>	<u>19,805</u>	<u>199</u>
46150	Pisces.....	<u>9</u>	<u>23 29.16</u>	<u>3,053</u>	<u>85 32 33.8</u>	<u>19,805</u>	<u>108</u>
46151	Pegasus	<u>9</u>	<u>23 29.65</u>	<u>3,044</u>	<u>82 58 26.2</u>	<u>19,806</u>	<u>128</u>
46152	Cassiopea	<u>9</u>	<u>23 30.27</u>	<u>2,746</u>	<u>33 11 52.5</u>	<u>19,806</u>	<u>370</u>
46153	Pegasus .....	.	<u>23 36.19</u>	<u>2,987</u>	<u>68 46 24.0</u>	<u>19,807</u>	<u>31</u>
46154	Andromeda ..	<u>8</u>	<u>23 37.97</u>	<u>2,881</u>	<u>48 16 0.8</u>	<u>19,808</u>	<u>18</u>
46155	Andromeda ..	<u>8</u>	<u>23 38.39</u>	<u>2,881</u>	<u>48 15 58.9</u>	<u>19,808</u>	<u>3</u>
46156	Pegasus	<u>7½</u>	<u>23 44.46</u>	<u>2,954</u>	<u>61 13 32.6</u>	<u>19,809</u>	<u>123</u>
46157	Andromeda ..	<u>8</u>	<u>23 44.79</u>	<u>2,889</u>	<u>49 28 5.3</u>	<u>19,809</u>	<u>6</u>
46158	Pegasus	<u>8</u>	<u>23 45.94</u>	<u>2,948</u>	<u>60 5 15.8</u>	<u>19,809</u>	<u>120</u>
46159	Aquarius	<u>9</u>	<u>23 47.23</u>	<u>3,125</u>	<u>104 41 24.1</u>	<u>19,810</u>	<u>191</u>
46160	Pisces.....	<u>6</u>	<u>23 23 51.93</u>	<u>+3,078</u>	<u>92 20 59.8</u>	<u>-19,811</u>	<u>131</u>

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			h m s	s	° ' "	"	
46161*	Pegasus	5½	23 23 54.31	+2,994	70 15 39.9	-19,811	35
46162	Aquarius	8	23 58.05	3,120	100 48 37.7	19,812	192
46163	Pegasus	9½	24 1.71	3,032	79 55 15.6	19,813	40
46164	Pegasus	6	24 3.04	2,948	59 46 37.5	19,813	120
46165	Aquarius	9	24 8.87	3,138	108 6 19.6	19,814	244
46166	Pegasus	8	24 9.38	3,042	82 23 18.8	19,815	196
46167	Pegasus	9	24 9.61	3,042	82 23 18.3	19,815	127
46168	Andromeda ..	7½	24 11.59	2,857	44 25 10.0	19,815	242
46169	Pisces.....	7½	24 11.65	3,054	85 37 57.0	19,815	108
46170	Andromeda ..	8½	24 12.07	2,857	44 25 12.4	19,815	364
46171	Pisces.....	7½	24 12.53	3,054	85 37 57.0	19,815	118
46172	Pegasus	8	24 14.21	3,028	78 44 4.1	19,816	39
46173	Pisces.....	9	24 14.72	3,062	87 49 36.2	19,816	121
46174	Andromeda ..	7½	24 16.48	2,877	47 12 2.4	19,816	18
46175	Andromeda ..	7½	24 16.82	2,877	47 12 1.7	19,816	1
46176	Andromeda ..	7	24 17.42	2,877	47 12 0.1	19,817	11
46177	Aquarius	6	24 24.15	3,130	106 20 41.6	19,818	186
46178	Pegasus	9	24 29.01	2,971	64 23 10.0	19,819	27
46179	Pegasus	8	24 30.49	2,977	65 50 40.9	19,819	199
46180	Pegasus	9	24 31.25	2,965	63 8 4.2	19,820	123
46181	Pegasus	8	24 36.27	3,028	78 33 3.9	19,821	39
46182	Pegasus	7½	24 42.79	2,935	56 44 52.2	19,822	302
46183	Aquarius	8	24 44.50	3,101	98 46 48.6	19,823	197
46184	Aquarius	9	24 44.99	3,143	109 40 23.0	19,823	201
46185	Pegasus	6	24 47.05	2,940	57 36 27.7	19,823	303
46186	Pisces.....	9	24 49.48	3,087	94 49 28.7	19,824	572
46187	Aquarius	8	24 50.57	3,115	102 35 53.1	19,824	190
46188	Andromeda ..	8	24 51.32	2,917	53 18 35.5	19,824	125
46189	Andromeda ..	6	24 51.82	2,903	50 51 51.4	19,824	6
46190	Andromeda ..	6	24 52.17	2,903	50 51 56.3	19,824	476
46191	Pisces.....	9½	24 52.27	3,073	90 54 47.6	19,825	131
46192	Andromeda ..	8	24 54.19	2,926	54 54 4.8	19,825	125
46193	Aquarius	8	24 55.04	3,109	100 47 16.5	19,825	192
46194	Pisces.....	7½	24 56.95	3,087	94 57 37.5	19,825	572
46195	Andromeda ..	6½	24 58.33	2,917	53 4 45.5	19,826	476
46196	Andromeda ..	7	24 59.02	2,917	53 4 50.4	19,826	125
46197	Pegasus	8	25 0.69	3,014	74 37 12.7	19,826	194
46198	Pegasus	6½	25 1.10	2,982	66 40 35.7	19,826	199
46199	Aquarius	8	25 2.34	3,134	107 41 8.9	19,827	244
46200	Pegasus	7	23 25 4.07	+3,028	78 26 21.8	-19,827	39

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			h	m	s	"	°	'	"
46201	Pegasus	7½	23	25	5.60	+2,949	59	16	1.5
46202	Aquarius	6		25	5.84	3,180	118	35	13.1
46203	Andromeda ..	7½		25	6.93	2,886	47	54	6.0
46204	Andromeda ..	8		25	7.32	2,886	47	54	6.3
46205	Pegasus	9		25	7.67	3,014	74	40	55.8
46206	Pegasus	8		25	8.01	3,034	80	8	45.7
46207	Pisces.....	8		25	8.46	3,066	88	53	46.0
46208	Andromeda ..	9		25	11.61	2,862	44	14	36.7
46209	Cepheus.....	9½		25	11.85	2,403	16	52	43.4
46210	Aquarius	7		25	12.86	3,100	98	34	9.9
46211	Pegasus	8½		25	15.05	2,979	65	49	5.7
46212	Pisces.....	7		25	15.30	3,069	89	47	22.8
46213	Cassiopea	8½		25	17.05	2,816	38	29	31.8
46214	Pegasus	6½		25	17.16	3,043	82	34	56.1
46215	Pegasus	6½		25	17.32	3,043	82	35	0.5
46216	Aquarius	8		25	17.79	3,129	106	24	0.9
46217	Aquarius	9		25	21.51	3,122	104	33	29.4
46218	Cassiopea	8½		25	24.78	2,817	38	25	41.7
46219	Pegasus	7		25	25.42	3,044	82	42	55.7
46220	Pegasus	7		25	25.64	3,044	82	43	4.5
46221	Pegasus	7½		25	25.90	2,954	60	6	3.7
46222	Pegasus	8		25	30.90	3,022	76	30	36.2
46223	Aquarius	9		25	32.00	3,132	107	23	37.1
46224	Pegasus	9		25	32.27	2,968	63	5	0.0
46225	Pisces.....	9		25	32.98	3,066	89	1	48.3
46226	Aquarius	8		25	35.90	3,111	101	48	0.6
46227	Pegasus	7		25	36.73	2,949	58	54	23.0
46228	Aquarius	6½		25	37.53	3,176	117	58	50.9
46229	Aquarius	7½		25	40.39	3,104	99	52	7.1
46230	Andromeda ..	8		25	40.54	2,883	46	58	45.7
46231	Andromeda ..	8		25	40.76	2,883	46	58	48.8
46232	Pisces.....	8		25	41.90	3,065	88	39	29.5
46233	Pegasus	8½		25	43.65	2,954	59	55	35.5
46234	Andromeda ..	8		25	44.25	2,839	40	47	32.2
46235	Andromeda ..	9		25	44.48	2,839	40	47	41.2
46236	Cassiopea	8½		25	47.15	2,821	38	42	38.0
46237	Aquarius	9		25	53.95	3,121	104	34	27.4
46238	Cassiopea	7½		25	54.60	2,823	38	48	50.1
46239	Pegasus	6½		25	56.16	2,984	66	32	37.5
46240	Pegasus	7½	23	25	58.51	+2,970	63	14	21.2
									-19,839

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46241	Pegasus	7	<u>23 25 58.77</u>	+2,970	<u>63 14 19.2</u>	-19,839	123
46242	Andromeda ..	9	<u>25 59.00</u>	<u>2,910</u>	<u>51 3 49.4</u>	<u>19,839</u>	6
46243	Aquarius	8	<u>25 59.08</u>	<u>3,098</u>	<u>98 13 12.8</u>	<u>19,839</u>	197
<u>46244</u>	Pisces.....	8	<u>26 3.84</u>	<u>3,050</u>	<u>84 14 37.7</u>	<u>19,840</u>	128
<u>46245</u>	Pisces.....	9	<u>26 5.78</u>	<u>3,085</u>	<u>94 32 51.9</u>	<u>19,840</u>	572
46246	Pisces.....	<u>9½</u>	<u>26 5.80</u>	<u>3,085</u>	<u>94 32 43.0</u>	<u>19,840</u>	187
46247	Aquarius	8	<u>26 9.37</u>	<u>3,167</u>	<u>116 20 44.2</u>	<u>19,841</u>	182
46248	Pisces.....	<u>6</u>	<u>26 10.98</u>	<u>3,066</u>	<u>89 0 21.1</u>	<u>19,842</u>	121
46249	Pisces.....	<u>6</u>	<u>26 11.21</u>	<u>3,066</u>	<u>89 0 22.1</u>	<u>19,842</u>	119
46250	Cassiopea	9	<u>26 22.61</u>	<u>2,827</u>	<u>38 49 17.0</u>	<u>19,844</u>	306
46251	Pegasus	<u>8½</u>	<u>26 24.72</u>	<u>3,000</u>	<u>70 26 6.8</u>	<u>19,844</u>	35
46252	Pisces.....	<u>9½</u>	<u>26 24.93</u>	<u>3,051</u>	<u>84 30 43.1</u>	<u>19,844</u>	128
46253	Pisces.....	8	<u>26 27.62</u>	<u>3,084</u>	<u>94 3 59.7</u>	<u>19,845</u>	187
46254	Aquarius	<u>9½</u>	<u>26 36.47</u>	<u>3,135</u>	<u>108 39 55.2</u>	<u>19,847</u>	244
<u>46255</u>	Pegasus	<u>6½</u>	<u>26 37.28</u>	<u>2,949</u>	<u>58 11 58.1</u>	<u>19,847</u>	303
46256	Aquarius	8	<u>26 41.47</u>	<u>3,120</u>	<u>104 40 7.8</u>	<u>19,848</u>	191
46257	Andromeda ..	<u>8½</u>	<u>26 50.53</u>	<u>2,881</u>	<u>45 35 1.7</u>	<u>19,850</u>	11
<u>46258</u>	Pegasus	<u>7½</u>	<u>26 54.52</u>	<u>2,997</u>	<u>69 22 52.2</u>	<u>19,851</u>	31
46259	Aquarius	8	<u>26 58.43</u>	<u>3,119</u>	<u>104 26 33.7</u>	<u>19,852</u>	191
46260	Pegasus	<u>8½</u>	<u>27 4.21</u>	<u>3,023</u>	<u>76 19 30.8</u>	<u>19,853</u>	37
46261	Andromeda ..	8	<u>27 6.92</u>	<u>2,896</u>	<u>47 47 48.7</u>	<u>19,853</u>	3
46262	Andromeda ..	8	<u>27 7.01</u>	<u>2,896</u>	<u>47 47 45.6</u>	<u>19,853</u>	18
46263	Andromeda ..	8	<u>27 7.17</u>	<u>2,896</u>	<u>47 47 50.3</u>	<u>19,854</u>	476
46264	Pegasus	8	<u>27 7.67</u>	<u>2,961</u>	<u>60 25 50.8</u>	<u>19,854</u>	120
46265	Andromeda ..	<u>8½</u>	<u>27 10.87</u>	<u>2,938</u>	<u>55 18 20.0</u>	<u>19,854</u>	389
46266	Andromeda ..	<u>8½</u>	<u>27 10.96</u>	<u>2,938</u>	<u>55 18 22.8</u>	<u>19,854</u>	125
46267	Andromeda ..	8	<u>27 11.88</u>	<u>2,938</u>	<u>55 18 23.3</u>	<u>19,855</u>	302
46268	Aquarius	9	<u>27 12.59</u>	<u>3,125</u>	<u>106 19 12.3</u>	<u>19,855</u>	186
<u>46269</u>	Andromeda ..	9	<u>27 13.37</u>	<u>2,878</u>	<u>44 54 48.3</u>	<u>19,855</u>	242
46270	Andromeda ..	<u>8½</u>	<u>27 14.00</u>	<u>2,923</u>	<u>52 22 3.8</u>	<u>19,855</u>	476
46271	Aquarius	6	<u>27 16.80</u>	<u>3,118</u>	<u>104 12 2.4</u>	<u>19,855</u>	191
46272	Pegasus	<u>7½</u>	<u>27 17.21</u>	<u>2,996</u>	<u>68 51 41.6</u>	<u>19,855</u>	31
46273	Pegasus	9	<u>27 17.47</u>	<u>2,982</u>	<u>65 20 10.1</u>	<u>19,855</u>	199
46274	Pegasus	<u>7½</u>	<u>27 19.25</u>	<u>2,995</u>	<u>68 36 48.3</u>	<u>19,856</u>	31
46275	Aquarius	8	<u>27 21.77</u>	<u>3,162</u>	<u>115 58 50.9</u>	<u>19,856</u>	182
46276	Andromeda ..	<u>8½</u>	<u>27 22.11</u>	<u>2,920</u>	<u>51 39 12.0</u>	<u>19,856</u>	476
46277	Aquarius	8	<u>27 22.39</u>	<u>3,107</u>	<u>101 4 42.6</u>	<u>19,856</u>	192
46278	Andromeda ..	9	<u>27 24.42</u>	<u>2,879</u>	<u>44 48 59.2</u>	<u>19,857</u>	242
46279	Pegasus	<u>6½</u>	<u>27 32.35</u>	<u>3,017</u>	<u>74 16 47.0</u>	<u>19,859</u>	194
46280	Pegasus	7	<u>23 27 32.61</u>	+3,017	<u>74 16 46.3</u>	-19,859	200

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46281	Andromeda ..	7½	23	27	34.32	+2,939	55	17	21.9	-19,859	389
<u>46282</u>	Aquarius	8½		27	34.53	3,093	97	4	52.1	19,859	189
46283	Pisces.....	8		27	35.14	3,062	87	43	59.7	19,859	121
46284	Andromeda ..	8		27	35.17	2,939	55	17	21.8	19,859	125
46285	Andromeda ..	7½		27	35.65	2,939	55	17	22.2	19,859	302
46286	Aquarius	7		27	38.27	3,124	106	11	41.6	19,860	186
46287	Andromeda ..	9		27	39.33	2,865	42	37	22.0	19,860	363
46288	Cassiopea	8½		27	43.71	2,804	35	13	42.5	19,861	370
46289	Andromeda ..	6		27	46.72	2,893	46	40	30.9	19,861	11
46290	Cepheus.....	9		27	47.03	2,464	17	11	8.5	19,862	364
46291	Andromeda λ	5		27	48.88	2,880	44	37	28.0	19,862	242
<u>46292</u>	Andromeda λ	5		27	48.92	2,880	44	37	21.9	19,862	364
46293	Andromeda ..	9		27	50.12	2,866	42	33	59.9	19,862	363
46294	Pisces.....	7½		27	51.12	3,078	92	26	24.6	19,862	131
<u>46295</u>	Pegasus	5½		27	51.98	3,011	72	42	20.1	19,863	34
46296	Aquarius	7½		27	53.01	3,105	100	43	57.2	19,863	192
<u>46297</u>	Andromeda ..	9		28	2.35	2,884	45	1	33.4	19,865	242
46298	Andromeda ..	9		28	4.52	2,942	55	31	29.5	19,865	302
<u>46299</u>	Pegasus	9		28	6.63	3,004	70	32	6.7	19,866	35
46300	Andromeda ..	7		28	8.57	2,884	44	54	20.2	19,866	364
46301	Andromeda ..	7½		28	8.60	2,884	44	54	21.3	19,866	242
46302	Cassiopea	9½		28	8.61	2,840	38	51	41.9	19,866	306
46303	Pegasus	8		28	11.31	3,017	74	2	31.5	19,866	194
<u>46304</u>	Pegasus	8½		28	11.75	3,017	74	2	26.0	19,866	200
46305	Cassiopea	9		28	17.53	2,837	38	25	33.5	19,868	306
46306	Andromeda ..	7		28	17.80	2,904	48	1	38.5	19,868	476
46307	Andromeda ..	7		28	17.82	2,866	42	6	11.3	19,868	304
<u>46308</u>	Andromeda ..	7½		28	18.04	2,904	48	1	40.7	19,868	18
46309	Andromeda ..	7½		28	18.06	2,904	48	1	37.7	19,868	3
<u>46310</u>	Pisces.....	9		28	21.06	3,053	84	51	37.4	19,869	128
46311	Andromeda λ	5		28	21.54	2,903	47	50	16.5	19,869	3
46312	Andromeda λ	5		28	21.57	2,903	47	50	16.3	19,869	18
46313	Andromeda λ	4		28	21.70	2,903	47	50	19.3	19,869	476
<u>46314</u>	Cassiopea	8½		28	25.46	2,837	38	17	51.5	19,870	306
<u>46315</u>	Pisces.....	8		28	32.21	3,083	94	3	51.5	19,871	187
46316	Pisces.....	8		28	32.21	3,083	94	3	56.9	19,871	572
46317	Andromeda ..	9		28	35.01	2,944	55	34	29.5	19,871	302
46318	Andromeda ..	8½		28	35.69	2,898	46	51	35.0	19,871	11
46319	Pegasus	8½		28	39.08	2,979	63	36	47.3	19,872	27
46320	Andromeda ..	7	23	28	41.19	+2,947	56	4	18.0	-19,872	302

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46321	Andromeda ..	8½	<u>23 28 44.98</u>	<u>+2,945</u>	<u>55 34 14.1</u>	<u>-19,873</u>	389
46322	Pegasus	8½	<u>28 45.29</u>	<u>3,034</u>	<u>78 54 37.8</u>	<u>19,873</u>	39
46323	Pegasus	8	<u>28 45.63</u>	<u>3,034</u>	<u>78 54 40.4</u>	<u>19,873</u>	40
46324	Pegasus	7½	<u>28 45.70</u>	<u>3,034</u>	<u>78 54 41.7</u>	<u>19,873</u>	202
46325	Andromeda ..	8	<u>28 46.02</u>	<u>2,945</u>	<u>55 34 17.4</u>	<u>19,873</u>	302
46326	Pegasus	7	<u>28 46.88</u>	<u>2,996</u>	<u>67 47 42.0</u>	<u>19,874</u>	31
46327	Pegasus	8½	<u>28 47.34</u>	<u>2,986</u>	<u>65 9 26.8</u>	<u>19,874</u>	199
46328	Aquarius	7½	<u>28 48.09</u>	<u>3,147</u>	<u>113 1 46.6</u>	<u>19,874</u>	570
46329	Aquarius	8	<u>28 48.59</u>	<u>3,147</u>	<u>113 1 40.1</u>	<u>19,874</u>	349
46330	Andromeda ..	8	<u>28 50.45</u>	<u>2,928</u>	<u>52 3 37.4</u>	<u>19,874</u>	476
46331	Pegasus	8½	<u>28 54.65</u>	<u>3,018</u>	<u>74 5 31.0</u>	<u>19,875</u>	200
46332	Pegasus	8	<u>28 54.85</u>	<u>3,018</u>	<u>74 5 28.6</u>	<u>19,875</u>	194
46333	Pisces.....	8	<u>28 58.48</u>	<u>3,054</u>	<u>84 54 13.4</u>	<u>19,876</u>	128
46334	Pisces.....	9	<u>29 6.38</u>	<u>3,080</u>	<u>93 15 25.9</u>	<u>19,877</u>	572
46335	Pisces.....	9	<u>29 11.83</u>	<u>3,051</u>	<u>84 1 40.1</u>	<u>19,879</u>	128
46336	Aquarius	7½	<u>29 13.66</u>	<u>3,148</u>	<u>113 38 18.6</u>	<u>19,879</u>	349
46337	Aquarius	9½	<u>29 13.76</u>	<u>3,091</u>	<u>96 42 59.8</u>	<u>19,879</u>	189
46338	Andromeda ..	8½	<u>29 15.95</u>	<u>2,871</u>	<u>41 56 9.2</u>	<u>19,879</u>	304
46339	Pegasus	8	<u>29 20.26</u>	<u>2,951</u>	<u>56 22 32.8</u>	<u>19,880</u>	389
46340	Aquarius .. ω¹	6	<u>29 24.36</u>	<u>3,118</u>	<u>105 19 27.7</u>	<u>19,881</u>	191
46341	Aquarius .. ω¹	5	<u>29 24.46</u>	<u>3,118</u>	<u>105 19 33.7</u>	<u>19,881</u>	186
46342	Pegasus	8½	<u>29 26.24</u>	<u>2,992</u>	<u>66 22 34.0</u>	<u>19,881</u>	199
46343	Pegasus	7½	<u>29 26.96</u>	<u>2,979</u>	<u>62 52 19.6</u>	<u>19,882</u>	24
46344	Pegasus	6½	<u>29 27.39</u>	<u>2,979</u>	<u>62 52 22.2</u>	<u>19,882</u>	572
46345	Pegasus	7	<u>29 27.51</u>	<u>2,979</u>	<u>62 52 19.3</u>	<u>19,882</u>	123
46346	Andromeda ..	6	<u>29 29.04</u>	<u>2,863</u>	<u>40 38 4.3</u>	<u>19,882</u>	363
46347	Andromeda ..	5½	<u>29 29.64</u>	<u>2,863</u>	<u>40 38 5.5</u>	<u>19,882</u>	305
46348	Andromeda ..	6	<u>29 29.85</u>	<u>2,863</u>	<u>40 38 5.3</u>	<u>19,882</u>	369
46349	Pisces.....	8	<u>29 32.98</u>	<u>3,090</u>	<u>96 39 7.6</u>	<u>19,883</u>	189
46350	Andromeda ..	8½	<u>29 35.26</u>	<u>2,932</u>	<u>52 4 28.4</u>	<u>19,883</u>	476
46351	Pisces..... 1	5½	<u>29 40.14</u>	<u>3,056</u>	<u>85 27 18.1</u>	<u>19,884</u>	118
46352	Pegasus	5½	<u>29 44.25</u>	<u>3,043</u>	<u>81 25 41.9</u>	<u>19,885</u>	196
46353	Pisces.....	9	<u>29 47.77</u>	<u>3,050</u>	<u>83 40 3.5</u>	<u>19,886</u>	128
46354	Andromeda ..	8	<u>29 49.93</u>	<u>2,910</u>	<u>47 46 26.0</u>	<u>19,886</u>	18
46355	Andromeda ..	8½	<u>29 50.10</u>	<u>2,910</u>	<u>47 46 28.1</u>	<u>19,886</u>	3
46356	Andromeda ..	7½	<u>29 54.23</u>	<u>2,952</u>	<u>56 8 54.6</u>	<u>19,887</u>	389
46357	Andromeda ..	7½	<u>29 54.76</u>	<u>2,952</u>	<u>56 8 53.6</u>	<u>19,887</u>	303
46358	Andromeda ..	7	<u>29 55.36</u>	<u>2,952</u>	<u>56 8 53.1</u>	<u>19,887</u>	302
46359	Pegasus	8	<u>29 55.42</u>	<u>3,027</u>	<u>76 17 40.5</u>	<u>19,887</u>	37
46360	Aquarius	8	<u>23 29 55.67</u>	<u>+3,160</u>	<u>117 17 50.7</u>	<u>-19,887</u>	182

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46361	Aquarius	7	23	29	55.75	+3,160	117	18	3.4	-19,887	569
46362	Pisces	9		29	59.71	3,078	92	51	39.3	19,888	131
46363	Pegasus	6		30	0.33	2,983	63	35	33.0	19,888	27
46364	<u>Pegasus</u>	7		30	1.12	2,986	64	18	24.0	19,888	27
46365	Aquarius	8		30	8.59	3,133	110	5	37.8	19,889	201
46366	Andromeda . .	6		30	9.81	2,941	53	26	56.9	19,890	476
46367	Andromeda . .	7		30	9.85	2,941	53	26	55.1	19,890	125
<u>46368</u>	Pegasus	<u>7½</u>		30	10.71	3,016	72	53	33.0	19,890	34
46369*	Pegasus	8		30	16.05	2,995	66	30	55.2	19,891	29
46370	Pegasus	<u>8½</u>		30	16.40	2,994	66	30	55.1	19,891	199
46371	Pisces	9		30	20.30	3,049	83	15	57.6	19,892	127
46372	Pisces	<u>8½</u>		30	22.32	3,049	83	4	40.7	19,892	127
46373	Andromeda . .	.		30	25.03	2,904	46	1	56.7	19,893	11
46374	Cepheus	<u>8½</u>		30	26.59	2,445	15	23	7.5	19,893	364
46375	Pisces	8		30	26.61	3,072	90	41	23.1	19,893	119
46376	Andromeda . .	8		30	28.20	2,995	66	24	47.0	19,893	199
46377	Pisces	<u>8½</u>		30	28.33	3,049	83	13	15.9	19,893	127
46378*	Andromeda . .	8		30	28.44	2,995	66	24	57.1	19,893	29
46379	Aquarius	9		30	29.08	3,097	99	1	10.4	19,893	136
46380	Aquarius	<u>7½</u>		30	29.14	3,097	99	1	3.0	19,893	197
46381	Aquarius	8		30	29.63	3,097	99	1	5.7	19,893	192
46382	Pisces	<u>8½</u>		30	31.32	3,049	83	10	0.9	19,894	127
46383	Andromeda .x	5		30	35.31	2,909	46	46	24.5	19,894	11
46384	Andromeda .x	5		30	35.33	2,909	46	46	21.9	19,894	3
46385	Andromeda .x	4		30	35.65	2,909	46	46	19.1	19,895	476
46386	Pisces	9		30	37.62	3,062	87	28	47.0	19,895	121
46387	Pegasus	8		30	38.07	3,047	82	46	18.3	19,895	127
<u>46388</u>	Pegasus	8		30	38.64	3,048	82	46	13.9	19,895	196
<u>46389</u>	Aquarius	<u>6½</u>		30	38.83	3,150	115	15	58.5	19,895	570
46390	Aquarius	7		30	39.38	3,150	115	16	3.4	19,895	182
<u>46391</u>	Pegasus	<u>8½</u>		30	40.15	3,031	77	9	9.4	19,895	202
46392	Pegasus	8		30	40.86	2,984	63	12	50.5	19,896	572
<u>46393</u>	Pegasus	9		30	40.98	2,984	63	12	46.6	19,896	123
46394	Pegasus	<u>9½</u>		30	41.11	3,024	75	1	21.7	19,896	194
46395	Cepheus	7		30	41.58	2,467	15	48	52.1	19,896	364
46396	Andromeda . .	6		30	42.45	2,948	54	23	17.7	19,896	125
46397	Pisces	8		30	43.18	3,081	93	57	26.8	19,896	572
46398	Andromeda . .	<u>7½</u>		30	43.46	2,899	44	53	12.0	19,896	242
46399	Aquarius	<u>5½</u>		30	47.78	3,108	102	47	17.4	19,897	190
<u>46400</u>	Pegasus	9	23	30	48.21	+2,965	58	29	3.2	-19,897	303

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46401	Aquarius	8	23	30	52.39	+3,092	97	35	2.5
46402	Aquarius	9		30	52.42	3,092	97	35	2.9
46403	Pisces	9		30	57.69	3,081	93	57	52.1
46404	Pisces	9½		30	58.11	3,054	84	50	28.1
46405	Pisces	8		30	59.11	3,054	84	50	40.1
46406	Aquarius	8		31	3.84	3,066	88	38	17.0
46407	Pisces	8½		31	5.05	3,058	85	53	9.6
46408	Andromeda ..	8		31	5.24	2,952	55	8	8.3
46409	Andromeda ..	7½		31	5.66	2,953	55	8	8.9
46410	Cassiopea	7½		31	7.78	2,859	38	33	5.6
46411	Cassiopea	8½		31	8.05	2,838	35	57	31.4
46412	Aquarius	5½		31	11.26	3,128	109	7	53.6
46413	Aquarius	5½		31	11.34	3,128	109	7	51.1
46414	Pegasus	9		31	11.35	2,982	62	19	29.7
46415	Aquarius .. A¹	5		31	12.00	3,128	109	7	46.6
46416	Pegasus	9		31	12.55	3,029	76	20	4.3
46417	Andromeda ..	8		31	13.01	2,925	49	15	28.7
46418	Andromeda ..	8		31	13.27	2,925	49	15	24.5
46419	Cepheus γ	3½		31	13.40	2,371	13	29	1.3
46420	Andromeda ..	7½		31	13.49	2,925	49	15	25.7
46421	Aquarius	8½		31	16.80	3,147	114	42	55.6
46422	Aquarius	8½		31	17.86	3,099	99	55	39.1
46423	Pegasus	7½		31	20.16	2,968	58	32	44.2
46424	Andromeda ..	9		31	21.30	2,902	44	53	12.5
46425	Aquarius .. A²	5		31	21.54	3,127	108	55	29.1
46426	Aquarius .. A²	4½		31	22.26	3,127	108	55	27.7
46427	Andromeda ..	8		31	22.27	2,899	44	14	47.1
46428	Aquarius .. A²	5		31	22.33	3,127	108	55	23.5
46429	Cepheus	8½		31	22.89	2,463	15	21	16.3
46430	Aquarius	10		31	23.06	3,127	108	53	30.5
46431	Pisces	9		31	23.60	3,055	84	49	33.1
46432	Pegasus	8		31	30.86	2,999	66	52	58.6
46433	Andromeda ..	9		31	34.87	2,899	44	2	41.9
46434	Aquarius	8½		31	35.92	3,109	106	34	9.5
46435	Aquarius	8		31	36.02	3,090	97	5	8.9
46436	Andromeda ..	8		31	38.12	2,934	50	32	58.9
46437	Andromeda ..	9		31	43.30	2,884	41	35	37.8
46438	Andromeda ..	7		31	43.68	2,884	41	35	39.0
46439	Cassiopea	8		31	43.74	2,864	38	40	25.7
46440	Andromeda ..	6	23	31	44.66	+2,884	41	35	39.9

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<u>46441</u>	Andromeda ..	8	23 31 45.80	+2,954	54 47 28.0	-19,908	125
46442	Pisces.....	7	31 45.87	3,052	83 51 19.7	19,908	128
46443	Cepheus.....	8½	31 47.48	2,466	15 13 5.0	19,908	364
46444	Aquarius	8	31 47.67	3,160	118 44 41.4	19,908	569
46445	Pisces.....	5	31 50.89	3,068	89 19 10.2	19,909	119
46446	<u>Pisces.....</u>	5	31 51.00	3,068	89 19 8.2	19,909	121
46447	Pegasus	9	31 51.88	3,036	78 21 48.8	19,909	39
46448	Pegasus	8	31 52.34	3,036	78 21 50.9	19,909	202
46449	Pegasus	8½	31 52.81	2,998	66 18 39.7	19,909	199
46450	Pegasus	8½	32 4.78	2,999	66 22 47.7	19,911	199
46451	Aquarius	6½	32 5.27	3,118	106 33 17.4	19,911	186
46452	Aquarius	8½	32 5.32	3,098	99 55 49.0	19,911	192
<u>46453</u>	Pisces.....	8	32 5.64	3,077	92 36 23.7	19,911	131
46454	Pegasus	8½	32 10.80	2,999	66 19 42.7	19,912	199
46455	Pegasus	8½	32 17.89	2,987	62 47 33.0	19,913	123
46456	Cassiopea	8	32 20.61	2,830	33 50 51.4	19,914	370
<u>46457</u>	Andromeda ..	9	32 22.83	2,904	44 10 52.9	19,914	242
46458	Pegasus	8½	32 23.64	2,985	62 16 37.8	19,914	572
46459	Andromeda ..	7½	32 24.01	2,916	46 21 3.8	19,914	11
46460	Pegasus	7½	32 25.50	3,019	72 26 24.1	19,915	34
46461	Pegasus	8	32 25.59	2,986	62 23 4.9	19,915	572
46462	Andromeda ..	7	32 26.08	2,915	46 6 58.5	19,915	11
46463	Andromeda ..	8½	32 26.28	2,954	54 9 34.6	19,915	476
46464	Aquarius	7½	32 28.25	3,105	102 26 9.9	19,915	190
46465	Andromeda ..	8½	32 29.87	2,945	52 2 55.4	19,915	476
46466	Pegasus	7	32 35.24	3,026	74 46 19.1	19,916	194
46467	Pegasus	6½	32 35.29	3,026	74 46 24.5	19,916	200
46468	Pegasus	8	32 38.86	3,045	81 13 16.9	19,917	127
46469	Cepheus.....	8½	32 40.03	2,497	15 31 21.3	19,917	364
46470	Pegasus	8	32 41.20	3,043	80 37 28.4	19,917	196
46471	Pegasus	9	32 41.23	3,043	80 37 31.5	19,917	40
46472	Pisces.....	7½	32 43.32	3,082	94 25 14.0	19,918	572
46473	Aquarius	7½	32 43.59	3,143	114 46 56.4	19,918	570
<u>46474</u>	Aquarius	8½	32 54.23	3,148	116 28 5.6	19,920	182
46475	Pegasus	9½	32 55.30	3,040	79 16 25.8	19,920	39
46476	Andromeda ..	8	32 57.71	2,880	39 40 54.6	19,920	305
46477	Pegasus	8½	32 58.07	3,015	70 48 27.5	19,920	35
46478	Pisces.....	9	33 2.78	3,073	91 15 46.0	19,921	119
46479	Aquarius	9	33 5.86	3,098	100 2 46.8	19,921	192
46480	Aquarius	8	23 33 8.32	+3,139	114 0 30.7	-19,922	570

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46481	Andromeda ..	8	23	33	8.63	+2,966	56 21 22.1	-19,922	21
<u>46482</u>	Andromeda ..	7		33	9.53	2,966	56 21 24.6	19,922	303
46483	Andromeda ..	7½		33	9.58	2,966	56 21 20.7	19,922	389
46484	Pegasus	6		33	11.97	3,044	80 46 35.6	19,922	40
46485	Pegasus	6		33	12.16	3,044	80 46 37.6	19,922	196
46486	Cassiopea	9		33	21.91	2,880	39 15 6.2	19,924	369
<u>46487</u>	Cassiopea	6½		33	22.14	2,879	39 10 10.0	19,924	306
46488	Andromeda ..	9		33	26.41	2,910	44 4 34.7	19,925	242
<u>46489</u>	Pisces.....	9		33	26.93	3,055	84 37 52.6	19,925	128
<u>46490</u>	Pegasus	8½		33	29.90	3,001	66 0 35.2	19,926	199
46491	Cassiopea	7½		33	30.16	2,878	38 51 37.7	19,926	306
46492	Pegasus	8		33	30.58	3,001	66 0 41.3	19,926	29
46493	Pisces.....	9		33	32.14	3,090	97 22 39.1	19,926	136
<u>46494</u>	Pegasus	8		33	37.62	3,011	69 10 1.5	19,927	35
46495	Cassiopea	9		33	42.23	2,834	33 3 24.3	19,928	370
<u>46496</u>	Pisces.....	•		33	44.96	3,053	83 51 29.5	19,928	128
46497	Pegasus	8		33	46.65	2,989	62 13 34.7	19,928	572
<u>46498</u>	Aquarius ....i¹	5½		33	48.55	3,123	109 23 7.3	19,929	201
46499	Aquarius ....i¹	5		33	49.01	3,123	109 23 6.7	19,929	244
46500	Andromeda ..	8		33	49.78	2,926	53 11 33.5	19,929	476
46501	Pegasus	8		33	52.25	3,025	73 35 47.1	19,929	200
46502	Pegasus	8		33	52.26	3,025	73 35 45.5	19,929	194
46503	Pisces.....	9		33	55.43	3,067	88 57 42.3	19,930	121
46504	Pegasus	4½		33	57.00	2,988	61 44 41.5	19,930	24
46505	Pegasus	6		33	57.05	2,988	61 44 41.3	19,930	572
46506	Pegasus	5½		33	57.13	2,988	61 44 39.9	19,930	123
46507	Pegasus	5½		33	57.44	2,988	61 44 44.2	19,930	120
46508	Pegasus	6		33	57.46	2,988	61 44 44.6	19,930	307
46509	Pegasus	7½		33	58.82	2,988	61 48 44.4	19,931	573
46510	Aquarius	6		34	3.15	3,148	117 31 5.7	19,931	182
46511	Aquarius	6		34	3.22	3,148	117 21 12.8	19,931	569
46512	Pisces.....	9		34	4.03	3,071	90 23 42.2	19,931	119
46513	Aquarius	8		34	6.54	3,148	117 34 57.1	19,931	569
46514	Aquarius	8½		34	7.80	3,112	105 31 37.6	19,932	186
46515	Andromeda ..	9		34	9.29	2,957	53 15 13.6	19,932	476
<u>46516</u>	Andromeda ..	8½		34	12.85	2,938	48 38 39.4	19,933	3
<u>46517</u>	Andromeda ..	8		34	13.53	2,938	48 38 41.6	19,933	18
<u>46518</u>	Pisces.....	7		34	16.69	3,081	94 17 10.7	19,933	572
46519	Andromeda ..	8		34	17.85	2,964	54 46 10.7	19,933	125
46520	Andromeda ..	9	23	34	19.78	+2,957	52 58 44.3	-19,934	476

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46521	Pegasus	9	23	34	19,81	+3,050	82	35	36,7	-19,934	127
46522	Aquarius	8		34	19,91	3,096	99	52	18,7	19,934	192
46523	Aquarius	9½		34	22,51	3,089	97	14	16,7	19,934	136
46524	Cassiopea	7½		34	23,03	2,859	35	18	32,2	19,934	372
46525	Aquarius	9		34	23,74	3,145	116	45	49,9	19,934	182
46526	Aquarius	8		34	27,42	3,138	114	36	41,5	19,935	570
46527	Aquarius	9		34	30,12	3,091	98	2	34,1	19,936	136
46528	Pisces	7½		34	37,05	3,054	83	55	0,5	19,937	128
46529	Cassiopea	8½		34	41,93	2,866	35	54	9,6	19,937	372
46530	Aquarius	9		34	42,75	3,134	113	44	9,8	19,937	570
46531	Andromeda ..	7½		34	43,05	2,921	44	43	46,4	19,938	242
46532	Pisces	7½		34	45,37	3,074	91	46	9,5	19,938	131
46533	Cassiopea	8½		34	48,33	2,865	35	37	9,4	19,938	372
46534	Andromeda ..	8½		34	49,78	2,966	54	46	40,7	19,939	125
46535	Pisces	8		34	50,57	3,067	89	0	56,3	19,939	121
46536	Pegasus	8½		34	51,02	2,993	62	15	34,8	19,939	573
46537	Cepheus	9		34	51,03	2,526	15	5	20,4	19,939	364
46538	Andromeda ..	7		34	51,26	2,935	47	21	49,9	19,939	3
46539	Andromeda ..	7½		34	51,28	2,935	47	21	46,7	19,939	11
46540	Andromeda ..	8		34	51,87	2,935	47	21	50,8	19,939	18
46541	Pegasus	6½		34	58,79	3,015	69	43	5,9	19,940	35
46542	Pegasus	9		35	0,32	3,051	82	52	36,0	19,940	127
46543	Aquarius	8½		35	1,20	3,108	104	47	27,9	19,941	191
46544	Pegasus	9		35	3,25	3,047	81	0	13,7	19,941	40
46545	Pegasus	8		35	4,41	3,034	76	3	53,6	19,941	37
46546	Pegasus	8½		35	8,65	2,977	57	19	16,5	19,942	389
46547	Andromeda ..	.		35	8,84	2,900	40	31	12,2	19,942	305
46548	Pegasus	8		35	10,83	3,047	80	55	41,7	19,942	40
46549	Pegasus	8½		35	17,54	3,035	76	25	50,1	19,943	37
46550	Pegasus	9		35	21,28	2,978	57	28	39,7	19,943	389
46551	Pegasus	8		35	27,03	2,985	59	22	27,4	19,944	307
46552	Pegasus	8½		35	27,21	2,985	59	22	24,9	19,944	120
46553	Pegasus	8		35	28,25	3,039	77	57	17,9	19,945	39
46554	Pegasus	7		35	28,50	3,039	77	57	22,1	19,945	202
46555	Aquarius ^{r2}	6		35	36,75	3,121	109	47	18,1	19,946	201
46556	Aquarius ^{r2}	6		35	37,31	3,121	109	47	20,3	19,946	244
46557	Aquarius	8		35	39,88	3,106	104	33	42,9	19,947	191
46558	Aquarius	8½		35	41,68	3,111	106	14	30,5	19,947	186
46559	Pisces	8		35	45,13	3,072	90	50	38,0	19,947	119
46560	Cassiopea	9	23	35	45,17	+2,858	33	44	16,6	-19,948	370

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46561	Pegasus	8	<u>23</u> <u>35</u> 45.62	+2,998	62 55 48.3	-19,948	27
46562	Pisces.....	8	<u>35</u> 45.73	<u>3,072</u>	90 50 40.6	<u>19,948</u>	131
46563	Pegasus	8	<u>35</u> 45.84	<u>2,998</u>	62 55 50.5	19,948	573
46564	Pegasus	<u>9½</u>	<u>35</u> 50.99	<u>2,990</u>	60 27 43.4	19,948	307
46565	Pegasus	8	<u>35</u> 51.29	<u>2,981</u>	57 49 4.1	<u>19,948</u>	303
46566	Andromeda ..	<u>8½</u>	<u>35</u> 52.58	<u>2,966</u>	53 30 0.6	<u>19,948</u>	125
46567	Pegasus	<u>7½</u>	<u>35</u> 52.65	<u>2,981</u>	57 49 3.9	<u>19,948</u>	389
46568	Pegasus	<u>8½</u>	<u>35</u> 57.10	<u>2,982</u>	58 2 59.4	19,949	303
46569	Andromeda ..	9	<u>35</u> 57.53	<u>2,967</u>	53 46 4.8	19,949	125
46570	Cepheus.....	8	<u>35</u> 58.36	<u>3,106</u>	104 28 25.5	19,949	191
46571	Pisces.....	9	<u>36</u> 3.78	3,055	83 55 40.4	19,950	128
46572	Pegasus	8	<u>36</u> 8.19	<u>3,048</u>	81 18 51.3	<u>19,951</u>	196
46573	Pegasus	8	<u>36</u> 8.20	<u>3,048</u>	81 18 52.7	<u>19,951</u>	127
46574	Andromeda . ψ	6	<u>36</u> 10.04	<u>2,929</u>	44 41 20.2	<u>19,951</u>	242
46575	Pisces.....	6	<u>36</u> 10.82	3,064	87 37 14.7	19,951	121
46576	Aquarius	7	<u>36</u> 13.86	3,094	100 6 2.5	<u>19,952</u>	192
46577	Andromeda ..	<u>7½</u>	<u>36</u> 14.56	<u>2,907</u>	40 26 50.1	<u>19,952</u>	305
46578	Pisces.....	8	<u>36</u> 20.06	<u>3,071</u>	90 34 42.4	19,953	119
46579	Pisces.....	<u>7½</u>	<u>36</u> 20.84	3,071	90 44 43.2	19,953	131
46580	Andromeda ..	8	<u>36</u> 21.99	<u>2,941</u>	46 53 30.0	<u>19,953</u>	11
46581	Pegasus	<u>7½</u>	<u>36</u> 22.11	<u>2,998</u>	62 24 20.0	<u>19,953</u>	24
46582	Andromeda ..	8	<u>36</u> 22.19	<u>2,980</u>	56 54 43.1	<u>19,953</u>	389
46583	Pegasus	7	<u>36</u> 22.55	<u>2,998</u>	62 24 18.0	19,953	573
46584	Andromeda ..	8	<u>36</u> 23.07	<u>2,908</u>	40 19 14.9	19,953	305
46585	Aquarius	<u>8½</u>	<u>36</u> 26.09	3,135	115 24 7.7	19,954	570
46586	Aquarius	7	<u>36</u> 32.04	3,094	100 0 12.1	<u>19,954</u>	192
46587	Andromeda ..	9	<u>36</u> 35.22	2,983	57 41 58.9	19,955	303
46588	Aquarius	8	<u>36</u> 37.19	3,134	115 24 15.4	19,955	182
46589	Pegasus	8	<u>36</u> 38.67	<u>2,998</u>	62 6 14.7	19,955	573
46590	Andromeda ..	9	<u>36</u> 40.25	<u>2,981</u>	56 58 58.2	<u>19,956</u>	389
46591	Pegasus	8	<u>36</u> 44.35	3,030	73 34 50.8	<u>19,956</u>	200
46592	Andromeda ..	8	<u>36</u> 44.88	<u>2,970</u>	53 36 0.6	<u>19,956</u>	125
46593	Pegasus	<u>8½</u>	<u>36</u> 48.09	<u>3,000</u>	62 42 8.3	19,957	24
46594	Pegasus	<u>7½</u>	<u>36</u> 48.94	<u>3,000</u>	62 41 15.3	19,957	573
46595	Cassiopea	9	<u>36</u> 52.37	<u>2,884</u>	35 57 29.4	19,957	372
46596	Aquarius	6	<u>36</u> 58.10	<u>3,101</u>	103 0 57.2	<u>19,958</u>	190
46597	Andromeda ..	<u>8½</u>	<u>37</u> 2.63	2,935	44 53 28.4	19,959	242
46598	Andromeda ..	<u>7½</u>	<u>37</u> 3.74	<u>2,923</u>	42 19 1.1	19,959	304
46599	Pisces.....	8	<u>37</u> 5.74	3,065	88 13 10.8	<u>19,960</u>	121
46600	Cassiopea	8	23 <u>37</u> 6.21	+2,911	39 57 50.6	-19,960	305

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46601	Cassiopea	10	23 37 6.77	+2,910	39 52 47.2	-19,960	369
46602	Cassiopea	8½	37 7.21	2,888	36 14 57.7	19,960	372
46603	Pisces.....	9	37 8.77	3,066	88 21 29.0	19,960	121
46604	Aquarius	9	37 14.28	3,110	107 5 38.9	19,960	244
46605	Pegasus	8	37 17.77	3,008	64 52 53.8	19,961	27
46606	Pegasus	7½	37 18.60	3,008	65 3 40.1	19,961	27
46607	Cassiopea	7½	37 19.34	2,871	33 39 27.3	19,961	370
46608	Pisces.....	8	37 21.24	3,086	96 56 3.1	19,962	189
46609	Pisces.....	8	37 22.05	3,083	95 34 17.0	19,962	189
46610	Pegasus	8	37 23.64	3,032	74 10 17.5	19,962	200
46611	Pegasus	6½	37 24.64	3,010	65 31 50.0	19,962	29
46612	Pisces.....	8½	37 24.81	3,080	94 38 43.8	19,962	572
46613	Aquarius	8½	37 26.49	3,129	114 8 11.5	19,962	570
46614	Pisces.....	7½	37 27.19	3,074	91 57 14.8	19,963	131
46615	Pisces.....	8	37 34.17	3,063	86 56 2.0	19,964	118
46616	Andromeda ..	7½	37 35.10	2,984	56 35 14.8	19,964	389
46617	Andromeda ..	8	37 38.99	2,924	41 49 0.6	19,964	304
46618	Pisces.....	6½	37 39.05	3,078	93 52 19.9	19,964	572
46619	Pisces.....	6	37 39.66	3,078	93 52 18.5	19,964	187
46620	Pegasus	8½	37 41.27	3,032	74 2 1.2	19,965	200
46621	Andromeda ..	8½	37 41.56	2,940	45 5 32.6	19,965	242
46622	Pegasus	8	37 41.92	3,003	62 42 7.8	19,965	573
46623	Pegasus	9	37 41.98	3,042	77 53 15.9	19,965	202
46624	Pegasus	8½	37 42.77	3,033	74 3 19.3	19,965	200
46625	Aquarius	8	37 49.97	3,111	107 48 26.5	19,966	244
46626	Sculptor.....	8½	37 54.15	3,141	119 0 6.9	19,966	569
46627	Pegasus	8½	37 55.01	3,003	62 29 35.1	19,966	573
46628	Pisces.....	8½	37 56.94	3,074	91 53 0.6	19,967	131
46629	Pegasus	7	37 59.90	3,054	82 51 46.8	19,967	127
46630	Pisces.....	7½	38 2.40	3,056	83 56 41.3	19,967	128
46631	Aquarius	9	38 6.10	3,093	100 21 25.3	19,968	192
46632	Pegasus	8	38 6.57	3,054	82 55 17.9	19,968	127
46633	Aquarius	8	38 9.42	3,116	109 59 32.6	19,968	201
46634	Aquarius	8	38 9.65	3,098	102 37 10.4	19,969	190
46635	Andromeda ..	9	38 9.80	2,963	50 0 7.3	19,969	6
46636	Aquarius	6½	38 15.98	3,086	97 29 19.7	19,969	189
46637	Aquarius	7	38 16.02	3,086	97 29 21.1	19,969	136
46638	Pegasus	8½	38 26.67	2,999	60 34 57.5	19,971	307
46639	Andromeda ..	9	38 27.36	2,926	41 14 35.1	19,971	304
46640	Pegasus	6½	23 38 27.78	+3,012	65 27 21.8	-19,971	29

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46641	Sculptor.....	5½	23 38 29.22	+3.140	119 14 0.4	-19.971	569
46642	Pegasus	7½	38 30.40	3.005	62 44 20.4	19.971	573
46643	Andromeda ..	8½	38 30.50	2.982	54 58 30.5	19.972	125
46644	Cassiopea	9	38 33.21	2.909	37 50 18.6	19.972	306
46645	Andromeda ..	7½	38 34.56	2.982	54 50 10.3	19.972	125
46646	Pisces.....	7	38 35.20	3.067	88 53 39.7	19.972	119
46647	Pisces.....	7	38 35.33	3.067	88 53 38.8	19.972	121
46648	Pegasus	9	38 44.31	3.044	78 28 40.6	19.973	202
46649	Cassiopea	9	38 44.88	2.896	35 27 40.6	19.973	372
46650	Pisces.....	9	38 45.30	3.067	88 39 14.4	19.973	122
46651	Aquarius	8½	38 45.89	3.126	114 20 1.2	19.973	570
46652	Pegasus	8	38 47.27	2.997	59 22 58.4	19.974	307
46653*	Pegasus	8	38 47.50	2.997	59 22 55.8	19.974	303
46654	Pegasus	8	38 47.74	2.997	59 22 55.7	19.974	120
46655	Andromeda ..	8	38 49.37	2.953	46 42 48.3	19.974	11
46656	Andromeda ..	9	38 50.06	2.935	42 32 34.2	19.974	304
46657	Pegasus	8½	38 50.70	3.012	64 47 41.5	19.974	27
46658	Pisces.....	9	38 52.75	3.058	84 43 42.3	19.974	128
46659*	Pegasus	9	38 54.29	2.996	59 4 2.4	19.975	303
46660	Sculptor.....	7½	38 56.56	3.138	118 57 36.4	19.975	569
46661	Aquarius	9½	38 56.91	3.151	104 24 43.0	19.975	191
46662	Andromeda ..	9	39 1.88	2.984	54 57 51.4	19.976	125
46663	Aquarius	6½	39 3.96	3.121	112 43 30.7	19.976	349
46664	Cassiopea	9½	39 8.17	2.913	37 54 30.7	19.977	306
46665	Aquarius	6	39 10.92	3.107	106 58 12.1	19.977	244
46666	Aquarius	7	39 11.14	3.107	106 58 12.6	19.977	186
46667	Pisces.....	6	39 12.87	3.070	90 1 58.0	19.977	119
46668	Pisces.....	8	39 16.03	3.084	96 39 50.2	19.977	189
46669	Andromeda ..	9	39 17.20	2.939	42 40 4.4	19.977	304
46670	Sculptor.....	8½	39 19.83	3.138	119 26 59.3	19.978	569
46671	Aquarius	6	39 26.83	3.129	116 31 31.3	19.979	182
46672	Pisces.....	9	39 29.46	3.077	93 38 53.4	19.979	572
46673	Cepheus.....	9	39 32.22	2.662	16 19 6.0	19.980	364
46674	Pegasus	6	39 33.63	3.007	62 16 12.0	19.980	573
46675	Aquarius	9	39 34.11	3.126	115 16 27.4	19.980	570
46676	Andromeda ..	6	39 39.09	2.986	54 40 59.2	19.981	125
46677	Cassiopea	9	39 39.71	2.903	35 27 14.4	19.981	372
46678	Pegasus .....	.	39 44.19	3.011	63 25 46.5	19.981	27
46679	Cassiopea	9½	39 47.22	2.918	37 47 45.5	19.982	306
46680	Aquarius	7	23 39 48.99	+3.095	102 12 41.6	-19.982	190

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46681	Pegasus	9½	23	39	50.30	+2,999	59	4	36.2	-19,982	303
46682	Pegasus	9		39	52.37	3,005	61	3	3.1	19,982	120
46683	Aquarius	2		39	53.56	3,117	111	59	34.1	19,982	349
46684	Aquarius	6		39	54.91	3,092	101	5	23.9	19,983	190
46685	Pisces.....	2		40	1.90	3,059	84	34	12.0	19,983	128
46686	Pegasus .....	.		40	2.44	3,021	67	18	49.9	19,983	31
46687	Andromeda ..	8		40	3.73	2,989	55	20	14.8	19,983	389
46688	Pegasus	7½		40	4.65	3,019	66	15	15.6	19,984	29
46689	Pegasus	8		40	5.68	3,035	73	27	51.5	19,984	200
46690	Aquarius	8		40	8.43	3,103	106	5	37.5	19,984	186
46691	Pegasus	9½		40	12.34	3,000	58	56	55.1	19,985	303
46692	Aquarius	7½		40	12.36	3,099	104	13	15.1	19,985	191
46693	Aquarius	7½		40	12.73	3,115	111	20	34.2	19,985	349
46694	Cepheus.....	2		40	17.72	2,651	15	20	56.6	19,985	364
46695	Pegasus	2		40	19.08	3,053	81	35	52.8	19,986	127
46696	Pegasus	8		40	19.61	3,053	81	35	58.4	19,986	196
46697	Cassiopea	9½		40	21.04	2,924	38	12	18.8	19,986	306
46698	Pegasus	7½		40	21.35	3,036	73	30	4.5	19,986	200
46699	Pisces.....	8½		40	24.50	3,060	85	5	22.5	19,986	118
46700	Cassiopea	2		40	25.97	2,931	39	29	20.0	19,987	369
46701	Cassiopea	7		40	26.07	2,931	39	29	20.0	19,987	305
46702	Aquarius	8		40	26.64	3,110	109	24	4.1	19,987	202
46703	Andromeda ..	8		40	32.05	2,966	47	41	28.4	19,987	18
46704	Andromeda ..	8		40	32.09	2,966	47	41	34.2	19,987	3
46705	Aquarius	2		40	33.41	3,084	97	22	35.6	19,988	136
46706	Pegasus	8½		40	35.09	3,019	65	48	33.9	19,988	29
46707	Cassiopea	8½		40	45.96	2,920	36	54	36.6	19,989	372
46708	Pegasus	8½		40	48.30	3,004	59	29	39.6	19,989	120
46709	Pegasus	8½		40	48.57	3,004	59	29	39.4	19,989	307
46710	Aquarius	2		40	48.63	3,111	110	9	31.8	19,989	202
46711	Pisces.....	8		40	53.04	3,067	88	52	16.7	19,990	122
46712	Pisces.....	7½		40	54.03	3,077	93	37	43.4	19,990	572
46713	Pisces.....	8		40	54.61	3,077	93	37	44.7	19,990	187
46714	Aquarius	6		41	0.58	3,110	110	1	12.7	19,991	202
46715	Pegasus	8½		41	2.80	3,004	59	19	18.3	19,991	120
46716	Pegasus	2		41	2.87	3,004	59	19	22.2	19,991	307
46717	Cassiopea	9½		41	4.90	2,933	38	53	11.4	19,991	306
46718	Andromeda ..	2		41	7.82	2,965	46	30	49.8	19,992	11
46719	Pegasus	5½		41	9.47	3,054	81	47	36.7	19,992	196
46720	Pegasus	6½	23	41	9.58	+3,054	81	47	38.0	-19,992	127

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46721	Andromeda ..	8	23	41	10.20	+2,993	55	6	35.4	-19,992	125
46722	Andromeda ..	8½		41	10.31	2,966	46	33	40.8	19,992	11
46723	Pegasus	9		41	12.94	3,045	77	20	43.1	19,992	203
46724	Pisces.....	8½		41	13.19	3,078	94	30	57.5	19,992	187
46725	Andromeda ..	8		41	13.45	2,981	50	54	26.7	19,992	6
46726	Pisces.....	10		41	13.61	3,057	83	35	29.5	19,992	128
46727	Andromeda ..	8½		41	14.26	2,993	55	6	39.6	19,992	349
46728	Cassiopea	9		41	14.67	2,935	39	1	6.6	19,992	306
46729	Andromeda ..	9½		41	15.91	2,994	55	22	51.8	19,993	389
46730	Pisces.....	8½		41	17.70	3,078	94	35	37.4	19,993	187
46731	Andromeda ..	8½		41	17.83	2,970	47	36	48.0	19,993	3
46732	Andromeda ..	8½		41	18.09	2,970	47	36	41.2	19,993	18
46733	Aquarius	9		41	19.33	3,099	105	5	42.2	19,993	191
46734	Pegasus	8½		41	21.02	3,016	63	46	29.8	19,993	27
46735	Pisces.....	8		41	24.47	3,077	93	39	8.5	19,994	572
46736	Andromeda ..	9		41	27.52	2,994	54	53	44.8	19,994	125
46737	Pisces.....	7		41	27.67	3,063	86	24	54.8	19,994	118
46738	Pisces.....	9		41	28.74	3,082	96	47	17.5	19,994	189
46739	Aquarius	9		41	29.05	3,084	97	43	26.5	19,994	136
46740	Aquarius	10		41	34.05	3,084	97	43	26.5	19,994	136
46741	Aquarius	8½		41	34.27	3,108	109	46	22.8	19,994	202
46742	Pisces.....	7		41	40.16	3,063	86	21	58.7	19,995	118
46743	Pisces.....	8½		41	41.43	3,058	83	34	20.5	19,995	128
46744	Pisces.....	6		41	43.58	3,066	88	10	47.3	19,996	122
46745	Andromeda ..	8½		41	43.74	2,981	50	22	1.1	19,996	6
46746	Andromeda ..	7		41	50.82	2,991	53	12	57.4	19,997	476
46747	Pegasus	9½		41	50.99	3,048	78	14	22.1	19,997	203
46748	Aquarius	8½		41	59.35	3,106	109	8	11.0	19,998	244
46749	Pisces.....	8½		42	2.74	3,069	89	36	43.0	19,998	119
46750	Andromeda ..	8		42	4.17	2,996	54	45	19.1	19,998	125
46751	Andromeda ..	9		42	4.31	2,992	53	15	40.5	19,998	476
46752	Andromeda ..	8		42	7.09	2,975	47	36	11.9	19,999	3
46753	Andromeda ..	8		42	7.12	2,975	47	36	10.1	19,999	18
46754	Pegasus	8		42	7.46	3,015	62	32	5.2	19,999	573
46755	Andromeda ..	8½		42	8.21	3,002	57	5	3.0	19,999	303
46756	Cassiopea	9		42	8.43	2,936	37	56	20.5	19,999	306
46757	Andromeda ..	7		42	9.12	2,950	40	59	48.3	19,999	305
46758	Andromeda ..	9		42	10.59	2,975	47	41	8.0	19,999	3
46759	Andromeda ..	9		42	10.61	2,975	47	41	2.2	19,999	18
46760	Aquarius	7	23	42	13.24	+3,098	105	21	44.5	-19,999	191

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46761	Aquarius	5½	23	42	13.35	+3,098	105	21	44.4	-19,999	186
46762	Pegasus	6		42	15.33	3,031	69	26	25.9	20,000	35
46763	Pegasus	5½		42	15.38	3,031	69	26	23.4	20,000	31
46764	Pegasus	9½		42	18.11	3,048	78	14	22.1	20,000	203
46765	Pegasus	9		42	18.71	3,016	62	24	35.1	20,000	573
46766	Pegasus ☉	4½		42	19.61	3,036	71	59	27.6	20,000	34
46767	Cetus	7		42	19.65	3,120	116	5	44.1	20,000	182
46768	Pisces	8½		42	19.97	3,076	93	28	51.0	20,000	572
46769	Aquarius	7½		42	20.22	3,106	109	40	20.0	20,000	202
46770	Pisces	9½		42	20.93	3,058	83	34	10.5	20,000	128
46771	Aquarius	8		42	22.80	3,102	107	29	7.4	20,000	244
46772	Pegasus	6		42	25.82	3,052	80	19	54.1	20,000	40
46773	Pegasus	8		42	26.61	3,016	62	9	31.9	20,000	573
46774	Aquarius	8½		42	27.90	3,088	100	0	15.8	20,001	192
46775	Pegasus	8		42	29.41	3,056	82	23	24.5	20,001	196
46776	Cepheus	7		42	29.51	2,645	13	30	27.0	20,001	351
46777	Pegasus	9		42	29.59	3,056	82	23	26.8	20,001	127
46778	Aquarius	9		42	30.94	3,097	105	11	49.8	20,001	191
46779	Pegasus	6		42	31.43	3,031	69	22	6.3	20,001	31
46780	Pegasus	6		42	31.92	3,031	69	22	3.7	20,001	35
46781	Aquarius	7		42	32.83	3,088	100	6	23.2	20,001	192
46782	Andromeda ..	8		42	33.07	3,000	55	46	17.1	20,001	349
46783	Aquarius	9		42	37.11	3,091	101	55	49.4	20,002	190
46784	Pisces	6		42	39.20	3,077	94	15	56.0	20,002	133
46785	Pisces	6		42	39.34	3,077	94	15	49.3	20,002	187
46786	Cassiopea	8		42	44.82	2,935	36	50	28.3	20,003	372
46787	Cepheus	9		42	47.23	2,710	15	34	12.5	20,003	364
46788	Pisces	6½		42	50.29	3,068	89	1	13.8	20,003	119
46789	Pisces	7		42	50.33	3,068	89	1	13.8	20,003	122
46790	Pisces	9		42	50.80	3,083	97	45	41.7	20,003	136
46791	Andromeda ..	7½		42	51.38	2,961	42	37	49.1	20,003	304
46792	Pisces .....	.		42	52.32	3,068	88	46	59.3	20,004	122
46793	Pegasus	8		42	52.76	3,010	59	2	40.2	20,004	303
46794	Pegasus	8½		42	53.01	3,013	60	23	36.2	20,004	120
46795	Pegasus	8½		42	53.19	3,010	59	2	46.9	20,004	307
46796	Andromeda ..	7		42	53.64	2,998	54	9	9.5	20,004	125
46797	Aquarius	8		42	53.85	3,091	102	7	14.2	20,004	190
46798	Cassiopea	8½		42	54.73	2,937	36	53	29.2	20,004	372
46799	Pegasus	8		42	55.27	3,055	81	24	48.0	20,004	196
46800	Pisces	8½	23	42	55.37	+3,060	84	24	43.6	-20,004	128

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46801	Pegasus	8½	23 42 55.43	+3,055	81 24 44.3	-20,004	127
46802	Andromeda ..	8	42 56.44	2,986	49 45 56.3	20,004	6
46803	Pegasus	7	42 57.71	3,024	65 6 38.4	20,004	27
46804	Pegasus	7½	42 57.92	3,024	65 6 44.7	20,004	29
46805	Cetus	6½	42 58.97	3,117	115 20 23.3	20,004	570
46806	Cetus	6	42 59.26	3,117	115 20 20.3	20,004	182
46807	Pegasus	8½	43 4.26	3,011	59 12 10.4	20,005	303
46808	Pegasus	7	43 4.34	3,011	59 12 7.1	20,005	120
46809	Pegasus	8	43 4.45	3,010	58 42 13.8	20,005	303
46810	Pegasus	7	43 4.50	3,011	59 12 7.0	20,005	307
46811	Andromeda ..	8	43 6.89	3,003	56 3 22.4	20,005	349
46812	Andromeda ..	8	43 10.44	3,002	55 27 29.9	20,006	349
46813	Cassiopea	9½	43 17.16	2,945	38 1 18.6	20,006	306
46814	Aquarius	8	43 18.87	3,108	111 37 37.9	20,006	349
46815	Andromeda ..	8	43 21.14	2,975	45 49 25.7	20,006	11
46816	Cepheus	10	43 26.50	2,724	15 35 56.4	20,007	364
46817	Aquarius	8	43 26.62	3,104	109 28 33.7	20,007	202
46818	Aquarius	8	43 27.07	3,104	109 28 35.2	20,007	244
46819	Cassiopea	9	43 28.19	2,946	37 59 20.5	20,007	306
46820	Pegasus	9	43 33.34	3,019	62 18 14.0	20,008	24
46821	Pegasus	8	43 33.53	3,019	62 18 15.1	20,008	573
46822	Cassiopea	7	43 34.58	2,954	39 35 24.0	20,008	305
46823	Cassiopea	9	43 34.81	2,954	39 35 22.8	20,008	369
46824	Pegasus	8	43 38.28	3,045	75 37 42.1	20,009	37
46825	Cassiopea	9	43 42.42	2,930	34 17 33.8	20,009	370
46826	Pegasus	8	43 43.58	3,051	79 6 41.1	20,009	203
46827	Pegasus	9	43 43.69	3,051	79 6 39.3	20,009	40
46828	Pegasus	7½	43 43.94	3,041	73 7 3.9	20,009	200
46829	Aquarius	8	43 46.02	3,087	100 24 0.3	20,009	192
46830	Pegasus	8	43 46.03	3,016	60 20 25.1	20,009	120
46831	Pegasus	8	43 46.51	3,016	60 20 28.1	20,009	307
46832	Andromeda ..	7½	43 50.91	2,981	46 33 25.5	20,010	11
46833	Pegasus	9	43 51.48	3,056	81 53 3.0	20,010	127
46834	Pisces	8	43 51.64	3,063	86 14 17.3	20,010	118
46835	Pegasus	8	43 51.76	3,056	81 53 2.7	20,010	196
46836	Andromeda ..	6½	43 58.65	2,996	51 49 52.9	20,011	476
46837	Pisces	9	43 59.11	3,062	85 7 12.6	20,011	128
46838	Cetus	6	44 0.12	3,120	118 9 17.5	20,011	569
46839	Cassiopea	8	44 5.97	2,935	34 37 22.0	20,011	370
46840	Pegasus	8½	23 44 9.92	+3,057	81 58 1.8	-20,012	196

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46841	Pegasus	9	23 44 9.98	+3,057	81 58 3.1	-20,012	127
46842	Pegasus	8	44 10.23	3,029	65 58 39.8	20,012	29
46843	Pisces.....	8	44 11.30	3,067	88 38 43.1	20,012	122
46844	Pegasus	8½	44 12.64	3,015	59 12 37.0	20,012	307
46845	Pegasus	7½	44 12.80	3,015	59 12 37.3	20,012	303
46846	Cepheus.....	9	44 13.59	2,731	15 11 0.8	20,012	364
46847	Andromeda ..	8	44 15.78	3,011	57 31 0.6	20,012	389
46848	Pisces.....	8½	44 16.04	3,061	84 31 59.7	20,012	128
46849	Pisces.....	7½	44 20.08	3,076	94 5 27.7	20,012	572
46850	Pisces.....	9	44 20.20	3,076	94 5 21.9	20,012	187
46851	Pegasus	8½	44 21.86	3,020	61 27 49.3	20,013	573
46852	Andromeda ..	9	44 22.17	2,976	44 8 43.9	20,013	242
46853	Andromeda ..	8	44 22.98	2,969	42 11 0.6	20,013	304
46854	Pisces.....	8½	44 23.54	3,075	93 3 25.2	20,013	133
46855	Pegasus	8½	44 25.11	3,021	61 39 39.5	20,013	573
46856	Andromeda ..	8	44 25.32	2,970	42 28 50.9	20,013	304
46857	Pisces.....	9	44 27.23	3,077	94 33 44.6	20,013	187
46858	Cassiopea	9	44 27.78	2,948	36 34 29.8	20,013	373
46859	Pisces.....	6½	44 32.56	3,071	91 0 7.6	20,014	119
46860	Pisces.....	6½	44 32.57	3,071	91 0 7.3	20,014	131
46861	Pegasus	7	44 36.47	3,041	72 21 57.9	20,014	34
46862	Pegasus	8½	44 37.18	3,017	59 46 54.5	20,014	307
46863	Pisces.....	8	44 40.09	3,062	85 0 19.3	20,015	128
46864	Pegasus	8½	44 40.45	3,050	77 53 39.5	20,015	203
46865	Pegasus	8	44 40.97	3,035	68 38 22.1	20,015	31
46866	Aquarius	7½	44 46.32	3,086	100 34 18.9	20,015	192
46867	Pegasus	6½	44 46.95	3,023	62 28 48.3	20,015	573
46868	Pisces.....	8	44 47.02	3,058	82 43 24.1	20,015	127
46869	Pegasus	7	44 47.50	3,022	61 38 6.5	20,015	573
46870	Pisces.....	8½	44 48.11	3,062	85 10 49.6	20,015	128
46871	Aquarius	7½	44 50.92	3,106	112 29 25.8	20,016	349
46872	Pisces.....	8	44 52.16	3,079	95 46 39.3	20,016	189
46873	Andromeda ..	8	44 57.83	3,004	53 2 35.2	20,016	476
46874	Andromeda ..	8	44 58.31	3,004	53 2 25.5	20,017	125
46875	Cassiopea	9	45 5.71	2,952	36 31 18.7	20,017	373
46876	Pisces.....	8	45 6.86	3,066	87 52 16.6	20,017	122
46877	Aquarius	8	45 6.98	3,099	108 56 31.8	20,017	244
46878	Aquarius	8	45 7.18	3,099	108 56 31.7	20,017	202
46879	Pisces.....	8	45 7.85	3,079	96 0 56.0	20,017	189
46880	Aquarius	9	23 45 10.87	+3,093	104 51 48.1	-20,018	191

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46881	Pegasus	5	23 45 13.43	+3,030	65 2 23.3	-20,018	27
46882	Pegasus	6	45 13.97	3,030	65 2 28.5	20,018	29
46883	Andromeda ..	7½	45 15.26	3,016	58 13 9.2	20,018	303
46884	Cetus	8	45 15.86	3,104	112 3 59.0	20,018	349
46885	Andromeda ..	9	45 19.43	3,010	55 2 21.1	20,018	125
46886	Pisces.....	9	45 20.62	3,059	82 43 48.9	20,018	196
46887	Pisces.....	9	45 20.79	3,059	82 43 54.1	20,018	127
46888	Cassiopea	8½	45 20.83	2,971	40 52 11.0	20,018	305
46889	Pisces.....	8½	45 21.11	3,064	86 3 3.9	20,018	118
46890	Pisces.....	8	45 21.57	3,066	87 35 44.1	20,018	122
46891	Pisces.....	7	45 24.50	3,059	82 53 16.1	20,019	196
46892	Pisces.....	7	45 24.67	3,059	82 53 18.4	20,019	127
46893	Cetus	8	45 27.28	3,085	100 10 11.4	20,019	192
46894	Aquarius	7½	45 29.04	3,092	105 4 49.1	20,019	191
46895	Aquarius	8	45 29.09	3,092	105 4 52.9	20,019	186
46896	Aquarius	7	45 29.28	3,091	104 20 40.5	20,019	191
46897	Cassiopea	8½	45 29.40	2,972	40 47 28.0	20,019	305
46898	Andromeda ..	8	45 29.98	2,976	42 10 48.6	20,019	304
46899	Cassiopea	6½	45 31.46	2,963	38 22 40.8	20,019	306
46900	Andromeda ..	7	45 34.23	2,985	44 45 2.5	20,020	242
46901	Cassiopea	8	45 36.01	2,944	33 42 4.9	20,020	370
46902	Cepheus.....	8½	45 41.21	2,783	16 14 20.9	20,020	364
46903	Pegasus	6½	45 41.95	3,049	75 52 53.3	20,020	37
46904	Pisces.....	8	45 43.57	3,066	87 34 7.0	20,021	122
46905	Andromeda ..	6½	45 45.41	2,980	42 53 23.2	20,021	304
46906	Pegasus .....	.	45 47.69	3,039	69 56 52.2	20,021	35
46907	Cetus	7½	45 47.99	3,105	113 6 16.6	20,021	570
46908	Pisces.....	8½	45 52.57	3,075	93 47 9.0	20,021	572
46909	Pegasus	7½	45 56.29	3,022	60 1 48.7	20,022	307
46910	Pegasus	9	45 56.69	3,033	65 46 29.3	20,022	29
46911	Andromeda ..	7	45 59.75	3,018	57 37 25.5	20,022	303
46912	Andromeda ..	7	46 0.48	3,018	57 37 23.6	20,022	389
46913*	Pisces.....	9½	46 2.65	3,073	92 2 35.3	20,023	131
46914	Pegasus	8½	46 6.81	3,057	81 5 58.9	20,023	40
46915	Pegasus	8	46 7.34	3,027	62 14 9.1	20,023	573
46916	Cetus	8	46 8.89	3,085	100 36 19.0	20,023	192
46917	Cetus	6½	46 10.52	3,109	115 50 58.4	20,023	182
46918	Pisces.....	9½	46 11.51	3,071	90 37 43.8	20,023	119
46919	Andromeda ..	9	46 15.81	2,990	45 2 43.8	20,024	242
46920	Andromeda ..	9	33 46 19.63	+2,990	45 6 26.8	-20,024	242

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46921	Andromeda ..	8½	23 46 24.84	+3,000	48 35 31.4	-20,024	3
46922	Andromeda ..	8½	46 25.16	3,000	48 35 35.9	20,024	18
46923	Cassiopea	8	46 28.99	2,967	37 23 57.8	20,024	306
46924	Pegasus	6	46 31.10	3,039	68 27 47.8	20,025	31
46925	Cassiopea	8	46 32.05	2,966	37 9 9.6	20,025	306
46926	Pisces.....	7½	46 32.89	3,065	86 28 14.6	20,025	118
46927	Andromeda ..	8½	46 35.76	3,021	57 54 21.7	20,025	303
46928	Cetus	9	46 46.31	3,081	98 27 52.2	20,026	187
46929	Cetus	9	46 47.29	3,089	104 4 26.2	20,026	191
46930	Pisces.....	8½	46 48.05	3,075	93 43 26.9	20,026	572
46931	Pisces.....	9½	46 48.23	3,061	83 39 12.3	20,026	128
46932	Cetus	5½	46 48.28	3,110	117 44 13.0	20,026	570
46933	Pisces.....	9	46 48.34	3,080	97 22 9.3	20,026	136
46934	Pisces.....	9½	46 48.57	3,075	94 5 15.4	20,026	133
46935	Pisces.....	8½	46 48.67	3,067	88 5 9.9	20,026	122
46936	Pegasus	9	46 49.93	3,058	81 19 31.0	20,026	127
46937	Pegasus	6½	46 51.72	3,032	63 32 20.9	20,027	27
46938	Pisces.....	8	46 52.16	3,067	88 2 27.8	20,027	122
46939	Cetus	6½	46 52.37	3,100	111 56 41.9	20,027	349
46940	Pisces.....	9	46 52.91	3,078	96 33 55.6	20,027	189
46941	Andromeda ..	8½	46 53.42	2,992	44 29 43.1	20,027	241
46942	Cassiopea	7	46 54.80	2,962	35 16 23.3	20,027	373
46943	Andromeda ..	6	46 57.20	3,002	48 27 17.6	20,027	18
46944	Andromeda ..	5½	46 57.34	3,002	48 27 17.1	20,027	3
46945	Pegasus	8	47 2.85	3,050	75 30 5.7	20,028	37
46946	Pegasus	8½	47 6.95	3,030	68 44 31.1	20,028	31
46947	Cassiopea	6	47 7.56	2,964	35 24 26.3	20,028	373
46948	Cepheus.....	8½	47 8.34	2,786	14 47 59.8	20,028	351
46949	Andromeda ..	8½	47 8.69	2,998	46 11 27.7	20,028	11
46950	Pegasus	9	47 10.74	3,032	63 22 12.6	20,028	27
46951	Pisces.....	8	47 11.41	3,067	88 6 4.9	20,028	122
46952	Cetus	8	47 11.66	3,084	100 45 1.5	20,028	192
46953	Andromeda ..	8	47 17.69	2,990	42 49 56.1	20,029	304
46954	Pegasus	8	47 20.11	3,047	72 51 47.2	20,029	34
46955	Pisces.....	8½	47 24.93	3,062	83 42 2.4	20,029	128
46956	Pegasus .....	.	47 25.19	3,044	70 46 54.9	20,029	35
46957	Andromeda ..	8½	47 28.10	2,991	43 2 32.3	20,029	304
46958	Pisces.....	9	47 31.02	3,081	98 29 12.5	20,030	136
46959	Pisces.....	9	47 31.13	3,081	98 29 12.2	20,030	187
46960	Pisces.....	8½	23 47 31.31	+3,078	96 34 16.6	-20,030	189

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46961	Pegasus	7½	23 47 32.98	+3,056	79 38 19.8	-20,030	40
46962	Andromeda ..	8	47 33.28	3,006	48 58 13.3	20,030	18
46963	Pegasus	6½	47 33.29	3,056	79 38 16.6	20,030	203
46964	Cepheus.....	8	47 35.14	2,709	11 20 35.2	20,030	351
46965	Pegasus..... ψ	5	47 35.64	3,037	65 58 13.5	20,030	29
46966	Pisces.....	8½	47 45.97	3,074	93 29 8.4	20,031	572
46967	Andromeda ..	8	47 53.07	3,027	59 4 58.9	20,031	123
46968	Pegasus	8	47 53.99	3,031	61 8 4.2	20,031	573
46969	Pegasus	9	47 54.40	3,031	61 7 54.7	20,032	307
46970	Pegasus	9	47 55.19	3,033	62 27 8.3	20,032	573
46971	Cetus	8½	48 0.83	3,085	102 34 5.0	20,032	190
46972	Cassiopea	9	48 2.28	2,988	40 40 46.2	20,032	369
46973	Cassiopea	7	48 2.87	2,989	40 40 44.8	20,032	305
46974	Cetus	6	48 2.90	3,091	106 57 34.0	20,032	244
46975	Cetus	6½	48 3.03	3,091	106 57 34.3	20,032	186
46976	Pegasus	9	48 5.76	3,059	81 16 51.8	20,032	127
46977	Pegasus	8	48 5.76	3,059	81 16 55.5	20,032	196
46978	Pisces.....	7½	48 7.19	3,075	94 27 52.8	20,033	572
46979	Pisces.....	8½	48 8.65	3,075	94 27 46.2	20,033	133
46980	Pegasus	8½	48 11.35	3,033	62 16 18.5	20,033	24
46981	Andromeda ..	6	48 11.63	3,023	56 5 57.3	20,033	389
46982	Cetus	8½	48 12.36	3,102	115 16 51.0	20,033	570
46983	Pegasus	8	48 12.92	3,033	62 15 52.2	20,033	573
46984	Andromeda ..	8½	48 13.25	3,102	115 16 49.3	20,033	182
46985	Pegasus	8	48 13.94	3,054	77 17 28.7	20,033	203
46986	Andromeda ..	8	48 14.08	3,016	52 9 0.2	20,033	476
46987	Pisces.....	9	48 17.50	3,073	92 47 43.9	20,033	131
46988	Cetus	8	48 18.40	3,088	105 14 19.8	20,033	191
46989	Andromeda ..	9	48 18.97	3,001	44 48 14.4	20,034	242
46990	Cetus	9	48 23.76	3,085	102 48 6.0	20,034	190
46991	Andromeda ..	9	48 24.66	3,021	54 12 5.1	20,034	125
46992	Pisces.....	5½	48 24.86	3,075	94 39 49.5	20,034	572
46993	Pisces.....	5	48 25.94	3,075	94 39 52.7	20,034	133
46994	Sculptor.....	8	48 31.94	3,107	118 53 7.7	20,035	570
46995	Andromeda ..	8	48 34.22	3,030	59 9 58.9	20,035	123
46996	Pegasus	8	48 35.34	3,060	81 33 37.9	20,035	196
46997	Pegasus	9	48 35.76	3,060	81 33 37.2	20,035	127
46998	Andromeda ..	8½	48 35.95	3,027	57 21 42.0	20,035	303
46999	Cassiopea	8	48 36.29	2,983	37 43 30.1	20,035	306
47000	Pegasus	8½	23 48 36.38	+3,032	60 17 34.9	-20,035	307

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			h	m	s		°	'	"		
47001	Cetus	9	23	48	36.84	+3,086	103	53	35.3	-20,035	191
47002	Andromeda ..	7		48	37.03	3,027	57	21	45.4	20,035	389
47003	Andromeda ..	7		48	38.99	3,003	44	41	59.1	20,035	242
47004	Andromeda ..	8½		48	39.70	3,006	46	13	5.6	20,035	11
47005	Pisces.....	8½		48	41.19	3,066	86	50	20.1	20,035	118
47006	Cassiopea	8½		48	44.01	2,984	37	26	21.8	20,036	306
47007	Cetus	8		48	46.53	3,085	103	2	51.9	20,036	190
47008	Cetus	9½		48	51.76	3,081	99	35	20.2	20,036	192
47009	Andromeda ..	8½		48	52.63	3,008	46	32	55.0	20,036	11
47010	Pegasus	8½		48	52.95	3,035	61	54	25.4	20,036	573
47011	Pegasus	7½		48	54.27	3,042	66	45	43.5	20,036	29
47012	Cassiopea .. σ	6½		48	55.58	2,979	35	21	27.0	20,036	370
47013	Cassiopea .. σ	5½		48	55.74	2,979	35	21	31.1	20,036	373
47014	Cassiopea	8		48	56.31	2,987	37	51	37.2	20,036	306
47015	Andromeda ..	8½		48	58.94	3,016	49	54	44.9	20,036	6
47016	Pisces.....	9½		49	0.26	3,060	81	44	32.5	20,036	127
47017	Pisces w	5		49	2.82	3,063	84	14	34.0	20,036	128
47018	Cassiopea	7		49	6.89	2,987	37	32	54.9	20,037	306
47019	Pegasus	8		49	6.97	3,038	63	50	29.0	20,037	27
47020	Andromeda ..	9		49	8.16	2,996	40	34	54.0	20,037	369
47021	Andromeda ..	8		49	8.57	2,996	40	35	1.7	20,037	305
47022	Cetus	8		49	10.99	3,103	117	38	9.4	20,037	570
47023	Cetus	8		49	10.99	3,103	117	38	19.4	20,037	570
47024	Andromeda ..	.		49	11.38	3,026	54	44	18.6	20,037	125
47025	Pegasus	8		49	14.44	3,048	70	41	46.6	20,037	35
47026	Cassiopea	9		49	15.31	2,997	40	36	14.6	20,037	305
47027	Andromeda ..	7½		49	15.84	3,021	52	0	28.0	20,037	476
47028	Pisces.....	7		49	16.11	3,074	93	57	17.7	20,037	572
47029	Pisces.....	.		49	16.22	3,074	93	57	31.0	20,037	133
47030	Pisces.....	7		49	18.22	3,073	92	57	54.2	20,038	131
47031	Cepheus.....	8½		49	18.99	2,857	16	18	19.5	20,038	364
47032	Andromeda ..	7½		49	19.81	3,030	57	23	0.0	20,038	303
47033	Cetus	9		49	20.18	3,079	98	54	56.8	20,038	136
47034	Andromeda ..	5½		49	20.64	3,030	57	23	0.4	20,038	389
47035	Cassiopea	9		49	22.36	2,976	33	26	29.2	20,038	370
47036	Pegasus	8		49	24.75	3,037	62	3	18.0	20,038	573
47037	Pisces.....	7		49	24.97	3,077	97	0	7.1	20,038	187
47038	Cassiopea	7½		49	25.53	2,997	40	16	50.3	20,038	305
47039	Cetus	8½		49	26.61	3,099	115	45	22.2	20,038	182
47040	Pegasus	9	23	49	31.71	+3,059	79	44	59.8	-20,039	40

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			h m s	s	° ' "	"	
47041	Pisces.....	7	23 49 32.26	+3,071	91 23 30.2	-20,039	119
47042	Pisces.....	8	49 33.13	3,073	93 13 24.8	20,039	131
47043	Cetus.....	8	49 34.68	3,096	113 32 33.6	20,039	570
47044	Pegasus.....	7½	49 34.71	3,059	79 50 21.0	20,039	40
47045	Pisces.....	9	49 35.00	3,064	84 26 15.3	20,039	128
47046	Pegasus.....	9	49 37.82	3,040	64 9 47.4	20,039	27
47047	Pegasus.....	7½	49 37.96	3,058	79 26 19.3	20,039	40
47048	Pisces.....	8	49 40.51	3,065	85 9 11.1	20,039	118
47049	Andromeda ..	7	49 51.21	3,024	52 15 12.3	20,040	476
47050	Cetus.....	8½	49 53.28	3,096	113 42 19.5	20,040	570
47051	Pisces.....	7½	49 56.27	3,071	91 28 18.3	20,040	119
47052	Andromeda ..	8½	49 58.13	3,018	54 31 41.3	20,040	125
47053	Andromeda ..	8	49 59.80	3,010	44 10 19.4	20,041	242
47054	Pisces.....	8	50 1.22	3,063	83 6 20.3	20,041	196
47055	Pegasus.....	9	50 2.13	3,057	77 39 14.0	20,041	203
47056	Pegasus.....	8	50 4.30	3,057	77 48 9.2	20,041	203
47057	Cetus.....	8½	50 8.16	3,081	101 34 35.7	20,041	190
47058	Cetus.....	7½	50 8.20	3,088	107 48 32.5	20,041	244
47059	Pisces.....	8	50 9.20	3,068	88 26 15.3	20,041	122
47060	Pegasus.....	6	50 10.76	3,042	64 11 29.4	20,041	27
47061	Andromeda ..	8	50 13.23	3,020	48 58 14.0	20,041	18
47062	Andromeda ..	9	50 13.24	3,020	48 58 18.2	20,041	3
47063	Pegasus.....	8	50 15.81	3,037	59 53 0.4	20,041	307
47064	Pisces.....	8½	50 16.88	3,074	94 25 16.0	20,041	133
47065	Andromeda ..	8½	50 17.16	3,029	54 22 19.2	20,041	125
47066	Pisces.....	7½	50 17.27	3,074	94 25 13.9	20,042	572
47067	Pisces.....	8½	50 17.87	3,062	82 38 37.5	20,042	197
47068	Pegasus.....	8	50 17.97	3,044	65 16 8.1	20,042	29
47069	Pegasus.....	•	50 18.18	3,040	62 26 5.3	20,042	573
47070	Pegasus.....	7	50 22.43	3,041	62 41 11.8	20,042	24
47071	Cetus.....	8½	50 23.81	3,094	113 46 46.3	20,042	570
47072	Andromeda ..	9	50 24.15	3,030	54 26 39.3	20,042	125
47073	Pegasus.....	8½	50 33.99	3,047	67 34 25.3	20,042	31
47074	Cetus.....	9	50 34.33	3,083	103 56 7.5	20,042	191
47075	Pegasus.....	8½	50 36.03	3,039	60 43 0.2	20,042	123
47076	Pegasus.....	8½	50 36.70	3,039	60 42 55.2	20,043	307
47077	Cetus.....	8½	50 37.25	3,082	102 55 56.5	20,043	190
47078	Andromeda ..	8	50 39.18	3,031	54 20 1.2	20,043	125
47079	Pegasus.....	8	50 42.34	3,053	73 14 41.8	20,043	200
47080	Pegasus.....	8½	23 50 42.87	+3,053	73 14 44.3	-20,043	34

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47081	Pegasus	8½	23 50 43.77	+3,041	61 58 12.0	-20,043	573
47082	Cetus	9	50 44.86	3,094	113 53 7.6	20,043	570
47083	Pisces	8	50 47.86	3,076	97 6 45.5	20,043	187
47084	Pisces	8	50 47.90	3,076	96 56 49.8	20,043	136
47085	Pisces	8	50 47.94	3,076	96 56 47.7	20,043	189
47086	Pisces	8	50 52.41	3,076	96 59 14.9	20,044	136
47087	Cetus	8	50 52.42	3,085	105 47 21.7	20,044	186
47088	Pisces	8	50 52.95	3,076	96 59 15.8	20,044	189
47089	Pisces	8	50 52.97	3,076	96 59 18.1	20,044	187
47090	Pisces	8	50 54.69	3,071	91 11 10.3	20,044	131
47091	Pisces	8½	50 55.17	3,071	91 11 7.7	20,044	119
47092	Cetus	9	50 57.48	3,082	103 4 32.0	20,044	190
47093	Cassiopea	9	50 58.29	3,002	37 56 46.2	20,044	306
47094	Pegasus	6½	51 0.30	3,047	66 51 32.3	20,044	29
47095	Andromeda ..	•	51 5.29	3,037	57 57 20.6	20,044	303
47096	Cassiopea	10	51 6.32	3,003	37 54 30.2	20,044	306
47097	Andromeda ..	9	51 8.58	3,017	44 22 50.6	20,045	242
47098	Pisces	8	51 9.06	3,065	84 19 11.0	20,045	128
47099	Cassiopea	6	51 10.29	3,011	41 7 54.5	20,045	304
47100	Andromeda ..	•	51 12.07	3,020	45 51 38.9	20,045	11
47101	Cassiopea	7½	51 14.46	2,982	30 16 27.8	20,045	372
47102	Pegasus	8	51 17.00	3,041	60 22 29.8	20,045	123
47103	Pegasus	8	51 17.12	3,041	60 22 30.9	20,045	307
47104	Andromeda ..	7	51 22.78	3,022	46 26 14.6	20,045	11
47105	Pegasus	6½	51 23.02	3,044	62 41 15.7	20,045	573
47106	Pegasus	9	51 24.20	3,058	76 28 54.5	20,045	37
47107	Cetus	8	51 27.55	3,086	107 38 43.4	20,046	244
47108	Pisces	9	51 27.71	3,071	91 19 28.0	20,046	119
47109	Pisces	8½	51 27.72	3,071	91 19 25.6	20,046	131
47110	Cassiopea	6	51 28.93	2,983	29 53 28.4	20,046	372
47111	Andromeda ..	6	51 32.53	3,026	48 44 42.9	20,046	3
47112	Andromeda ..	7	51 32.57	3,026	48 44 44.5	20,046	18
47113	Pisces	6	51 34.63	3,073	94 8 24.2	20,046	572
47114	Pisces	5½	51 35.24	3,073	94 8 25.4	20,046	133
47115	Pisces	6	51 42.08	3,076	97 7 27.2	20,047	136
47116	Pisces	4½	51 42.13	3,076	97 7 29.6	20,047	187
47117	Pisces	4½	51 42.16	3,076	97 7 29.2	20,047	189
47118	Pegasus	4½	51 44.36	3,046	63 58 26.0	20,047	27
47119	Pisces	7½	51 46.93	3,073	93 52 47.6	20,047	133
47120	Pisces	7	23 51 48.03	+3,073	93 52 39.5	-20,047	572

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47121	Andromeda ..	7½	23 51 54.75	+3,025	46 34 50.7	-20,047	11
47122	Andromeda ..	8½	51 54.85	3,033	51 55 51.9	20,047	476
47123	Cetus	7½	51 57.75	3,082	104 31 20.3	20,047	191
47124	Sculptor.....	7½	51 58.56	3,095	118 14 55.1	20,047	570
47125	Cetus	9	51 59.51	3,081	103 4 32.0	20,047	190
47126	Andromeda ..	8½	52 0.22	3,026	46 41 16.8	20,047	11
47127	Andromeda ..	9	52 0.64	3,021	43 32 7.6	20,047	242
47128	Cassiopea	8	52 1.96	3,017	41 20 30.5	20,047	304
47129	Cetus	9	52 2.09	3,078	100 17 9.7	20,047	192
47130	Pegasus	8½	52 4.21	3,046	62 55 25.9	20,047	573
47131	Cassiopea	7	52 4.94	2,991	30 24 37.8	20,048	372
47132	Pisces.....	9	52 8.65	3,075	97 10 15.4	20,048	136
47133	Pisces.....	8½	52 9.62	3,065	84 46 34.6	20,048	128
47134	Andromeda ..	8	52 10.07	3,039	56 16 13.5	20,048	389
47135	Pisces..... c ¹	6	52 10.15	3,063	82 9 23.7	20,048	197
47136	Pisces..... c ¹	7	52 10.56	3,063	82 9 20.9	20,048	127
47137	Cassiopea	7½	52 11.20	3,016	40 36 49.5	20,048	305
47138	Pisces..... c ²	6	52 16.81	3,064	82 37 31.6	20,048	127
47139	Pisces..... c ³	6	52 17.05	3,064	82 37 27.4	20,048	197
47140	Pegasus	8	52 18.28	3,058	74 51 29.5	20,048	200
47141	Andromeda ..	8	52 18.58	3,023	43 41 21.7	20,048	242
47142	Pegasus	7½	52 19.20	3,058	74 51 24.5	20,048	37
47143	Pisces.....	9	52 20.18	3,075	96 17 58.7	20,048	189
47144	Cassiopea	9	52 24.58	3,008	35 32 25.8	20,048	373
47145	Pegasus	8	52 27.55	3,047	62 34 15.4	20,048	573
47146	Cassiopea	8	52 27.93	3,017	39 38 23.6	20,049	305
47147	Pisces.....	8½	52 31.07	3,066	85 4 37.0	20,049	128
47148	Pisces.....	7½	52 31.81	3,069	88 58 44.2	20,049	122
47149	Pisces.....	9	52 32.79	3,073	94 1 45.0	20,049	133
47150	Andromeda ..	7½	52 32.80	3,040	55 17 54.7	20,049	389
47151	Pisces.....	8	52 33.13	3,073	94 1 40.9	20,049	572
47152	Pegasus	7½	52 36.74	3,048	62 51 37.7	20,049	573
47153	Pegasus	8½	52 37.22	3,046	60 46 37.2	20,049	123
47154	Pegasus	9	52 37.56	3,046	60 46 38.1	20,049	307
47155	Andromeda ..	9	52 38.32	3,025	43 51 40.8	20,049	242
47156	Cetus	6	52 40.75	3,086	111 10 12.3	20,049	349
47157	Cetus	7	52 41.42	3,086	111 9 45.8	20,049	202
47158	Pisces.....	8	52 42.32	3,071	92 11 24.0	20,049	131
47159	Cepheus.....	8½	52 44.10	2,848	10 49 58.8	20,049	351
47160	Pisces.....	8	23 52 50.28	+3,064	82 50 23.9	-20,050	127

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			h m s	s	° ' "	"	
47161	Cetus	6½	23 52 51.08	+3,089	115 15 33.4	-20,050	559
47162	Cetus	6½	52 51.69	3,089	115 15 25.0	20,050	182
47163	Cassiopea	8½	52 53.96	3,018	38 38 51.8	20,050	306
47164	Cetus	8	52 54.11	3,090	115 42 14.8	20,050	559
47165	Andromeda ..	7½	52 54.82	3,033	48 21 58.2	20,050	3
47166	Andromeda ..	6	52 55.13	3,033	48 21 59.9	20,050	18
47167	Pegasus	7	52 58.69	3,058	73 33 4.0	20,050	200
47168	Pegasus	6	52 58.73	3,058	73 33 28.6	20,050	34
47169	Cetus	8½	53 5.89	3,079	103 3 14.9	20,050	190
47170	Pisces	8½	53 6.63	3,073	95 15 36.5	20,050	189
47171	Pegasus	7½	53 11.20	3,056	70 26 16.1	20,051	35
47172	Cassiopea	8½	53 15.35	3,015	35 33 49.7	20,051	373
47173	Cassiopea	8	53 15.89	3,019	37 48 0.0	20,051	306
47174	Pegasus	7½	53 16.69	3,062	78 45 23.2	20,051	40
47175	Sculptor.....	8	53 21.40	3,092	119 31 45.7	20,051	570
47176	Sculptor.....	8½	53 22.39	3,092	119 30 4.6	20,051	570
47177	Pisces.....	8	53 26.13	3,068	87 12 17.5	20,051	118
47178	Pisces.....	9½	53 26.95	3,071	92 40 13.4	20,051	131
47179	Cetus	4½	53 28.78	3,082	108 26 58.6	20,051	244
47180	Andromeda ..	9	53 29.04	3,036	49 5 28.5	20,051	6
47181	Andromeda ..	6	53 29.71	3,037	49 1 12.0	20,052	3
47182	Andromeda ..	6½	53 30.53	3,029	42 40 33.8	20,052	304
47183	Andromeda ..	•	53 31.64	3,037	48 11 29.1	20,052	3
47184	Sculptor.....	7½	53 36.79	3,091	119 30 16.6	20,052	570
47185	Pegasus	8½	53 38.08	3,055	68 49 2.6	20,052	31
47186	Pegasus	•	53 38.92	3,051	63 7 54.0	20,052	573
47187	Cassiopea	9½	53 40.06	3,015	34 11 34.3	20,052	370
47188	Andromeda ..	8½	53 42.81	3,043	54 8 38.8	20,052	125
47189	Pegasus	9	53 44.27	3,056	70 9 29.7	20,052	35
47190	Pegasus	7½	53 45.70	3,063	78 57 58.8	20,052	40
47191	Andromeda ..	8½	53 54.99	3,042	51 59 20.0	20,053	476
47192	Cassiopea	8	53 55.58	3,029	41 7 27.0	20,053	305
47193	Pegasus	9	53 56.36	3,059	73 40 36.0	20,053	200
47194	Cassiopea	8	53 56.58	3,029	41 7 32.4	20,053	304
47195	Cassiopea	7½	53 57.19	3,029	41 14 30.1	20,053	305
47196	Cassiopea	7½	53 57.65	3,029	41 14 35.5	20,053	304
47197	Cassiopea	7	54 1.16	3,006	28 49 29.1	20,053	372
47198	Pegasus	8½	54 5.18	3,056	68 32 37.2	20,053	31
47199	Cassiopea	9	54 7.73	3,024	36 50 16.8	20,053	373
47200	Cetus	5½	23 54 15.80	+3,077	101 37 12.9	-20,053	190

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			h m s	s	° ' "	"	
47201	Cetus	9	23 54 16.44	+3,074	98° 4' 34.8"	-20,053	187
47202	Andromeda ..	7	54 22.20	3,041	49 1 13.3	20,053	6
47203	Andromeda ..	7	54 22.47	3,041	49 1 11.5	20,053	18
47204	Andromeda ..	8	54 22.57	3,041	49 5 26.9	20,053	3
47205	Pegasus	8½	54 26.29	3,060	74 2 29.4	20,053	200
47206	Andromeda ..	7½	54 26.64	3,048	56 50 48.0	20,053	389
47207	Andromeda ..	•	54 26.90	3,048	56 27 27.6	20,053	389
47208	Pisces.....	8½	54 27.37	3,067	84 35 20.2	20,053	128
47209	Pisces.....	8½	54 32.58	3,069	89 34 38.3	20,054	119
47210	Andromeda ..	8	54 35.46	3,045	52 19 41.4	20,054	476
47211	Pisces.....	9½	54 36.02	3,067	84 41 46.4	20,054	128
47212	Pegasus	8	54 36.66	3,052	61 1 33.4	20,054	307
47213	Pegasus	8	54 36.70	3,052	61 1 30.2	20,054	123
47214	Pegasus	5½	54 39.98	3,055	64 27 48.5	20,054	27
47215	Andromeda ..	7	54 42.77	3,039	45 26 8.0	20,054	11
47216	Pegasus	•	54 44.99	3,054	63 26 16.3	20,054	573
47217	Pisces.....	7	54 48.79	3,071	91 36 44.5	20,054	119
47218	Cassiopea	7	54 51.01	3,017	29 47 56.9	20,054	372
47219	Andromeda ..	7½	54 55.07	3,053	60 46 49.1	20,054	307
47220	Andromeda ..	6	54 55.13	3,041	45 52 57.6	20,054	11
47221	Andromeda ..	8	54 55.17	3,053	60 46 55.0	20,054	123
47222	Pisces.....	•	54 56.05	3,071	92 57 56.0	20,054	131
47223	Andromeda ..	8½	54 57.15	3,051	57 7 3.2	20,054	389
47224	Andromeda ..	8½	54 57.17	3,049	54 43 37.3	20,054	125
47225	Pisces.....	8	55 3.53	3,071	92 54 23.8	20,055	131
47226	Pisces.....	8½	55 4.27	3,066	82 19 18.0	20,055	127
47227	Pisces.....	4	55 5.84	3,073	96 49 34.6	20,055	187
47228	Pisces.....	5	55 5.91	3,073	96 49 43.2	20,055	189
47229	Pisces.....	7	55 8.04	3,068	87 30 24.4	20,055	122
47230	Cassiopea	8	55 8.49	3,037	41 20 27.4	20,055	304
47231	Andromeda ..	8	55 8.85	3,042	45 17 37.8	20,055	11
47232	Cetus	•	55 10.87	3,075	100 43 34.3	20,055	192
47233	Pisces.....	8	55 10.88	3,072	94 57 41.1	20,055	133
47234	Cetus	7½	55 11.69	3,077	105 31 58.3	20,055	186
47235	Cetus	8	55 12.28	3,077	105 31 56.6	20,055	191
47236	Andromeda ..	8	55 15.08	3,052	57 0 36.1	20,055	389
47237	Andromeda ..	9	55 15.33	3,041	44 27 6.5	20,055	242
47238	Pisces.....	8½	55 16.03	3,071	92 55 53.9	20,055	131
47239	Cassiopea	7	55 19.28	3,035	37 56 27.0	20,055	306
47240	Cassiopea	8	23 55 24.06	+3,032	35 24 16.3	-20,055	373

No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1800.	Annual Precea.	North Polar Distance, Jan. 1, 1800.	Annual Precea.	Page in H. Cat.
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47241	Pegasus	5½	23 55 27.05	+3,064	77 43 0.9	-20,055	203
47242	Cetus	9	55 28.76	3,077	106 28 44.5	20,056	186
47243	Pegasus	8	55 29.17	3,062	73 16 19.0	20,056	34
47244	Pegasus	9	55 34.98	3,064	78 14 27.6	20,056	203
47245	Pegasus	7	55 41.41	3,059	66 32 36.6	20,056	29
47246	Cassiopea	7½	55 41.92	3,041	41 29 28.6	20,056	304
47247	Pegasus	7½	55 42.67	3,062	72 52 11.6	20,056	34
47248	Pegasus	7	55 45.21	3,057	62 50 12.8	20,056	573
47249	Cassiopea	8½	55 46.90	3,038	37 50 9.9	20,056	306
47250	Pegasus	7½	55 47.46	3,059	66 11 47.1	20,056	29
47251	Andromeda ..	.	55 47.91	3,050	50 41 39.8	20,056	■
47252	Pisces.....	8½	55 53.06	3,070	90 59 29.1	20,056	119
47253	Pisces.....	8	55 53.24	3,066	81 23 51.6	20,056	127
47254*	Pisces.....	8	55 53.24	3,066	81 23 47.4	20,056	197
47255	Cassiopea	9	55 55.89	3,041	39 44 43.6	20,056	305
47256	Cassiopea	8½	55 56.52	3,042	40 35 31.4	20,056	305
47257	Cetus	8	56 2.25	3,075	101 53 26.9	20,057	190
47258	Cassiopea	9	56 2.40	3,031	30 39 21.6	20,057	372
47259	Andromeda ..	.	56 2.89	3,050	50 12 57.3	20,057	6
47260	Cetus	8	56 10.61	3,077	109 9 4.9	20,057	202
47261	Pegasus	6½	56 15.38	3,058	62 4 55.1	20,057	573
47262	Pegasus	6	56 15.46	3,058	62 4 52.3	20,057	307
47263	Pegasus	9	56 17.10	3,065	78 16 59.6	20,057	203
47264	Pegasus	7	56 20.13	3,059	62 33 31.6	20,057	573
47265	Andromeda ..	8½	56 22.42	3,056	57 27 27.7	20,057	303
47266	Cetus	9	56 25.56	3,080	115 43 52.4	20,057	559
47267	Pisces.....	8	56 31.48	3,072	95 27 28.0	20,057	189
47268	Pisces.....	9	56 31.68	3,072	95 27 27.3	20,057	133
47269	Andromeda ..	8½	56 32.94	3,054	52 29 15.4	20,057	476
47270	Andromeda ..	8	56 33.97	3,058	59 58 54.1	20,057	123
47271	Cetus	7	56 34.82	3,079	114 13 3.8	20,057	570
47272	Pegasus	8½	56 35.43	3,063	70 33 9.0	20,057	35
47273	Pisces.....	9	56 36.87	3,069	89 15 6.6	20,057	122
47274	Pisces.....	8	56 49.86	3,068	84 14 9.6	20,058	128
47275	Cetus	9	56 52.59	3,075	106 57 38.2	20,058	186
47276	Andromeda ..	8½	56 54.10	3,051	44 21 17.2	20,058	242
47277	Pegasus	8½	56 58.67	3,063	70 33 26.0	20,058	35
47278	Pisces.....	9	56 59.03	3,071	92 59 48.0	20,058	131
47279	Pisces.....	8	57 3.88	3,068	83 24 34.4	20,058	128
47280	Cetus	6½	23 57 4.02	+3,075	108 30 9.5	-20,058	390

No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1800.	Annual Preces.	North Polar Distance, Jan. 1, 1800.	Annual Preces.	Page in H.Ccl.
			h m s	s	° ' "	"	
47281	Pegasus	7	23 57 4,82	+3,062	64 39 20,5	-10,058	27
47282	Andromeda ..	9	57 4,84	3,058	56 25 4,5	20,058	389
47283	Cassiopea	9	57 5,61	3,046	35 27 36,1	20,058	373
47284	Cetus	7	57 6,22	3,078	116 27 36,4	20,058	182
47285	Cetus	9	57 14,57	3,077	114 56 21,9	20,058	557
47286	Pegasus	8½	57 16,33	3,063	68 16 0,6	20,058	31
47287	Andromeda ..	.	57 18,60	3,060	59 26 34,7	20,058	123
47288	Andromeda ..	8½	57 18,98	3,059	56 46 20,8	20,058	389
47289	Cassiopea	7½	57 19,06	3,050	38 20 20,3	20,058	306
47290	Andromeda ..	7½	57 19,90	3,057	51 2 3,1	20,058	476
47291	Andromeda ..	9	57 19,97	3,057	51 2 0,0	20,058	6
47292	Andromeda ..	7	57 21,06	3,057	50 57 48,1	20,058	476
47293	Andromeda ..	8	57 21,67	3,057	50 57 51,9	20,058	6
47294	Cetus	9	57 21,98	3,071	95 39 9,6	20,058	189
47295	Cassiopea	8½	57 24,84	3,050	38 0 21,9	20,058	306
47296	Andromeda ..	8	57 24,88	3,058	52 4 28,0	20,058	476
47297	Pisces.....	8½	57 25,77	3,070	90 1 1,1	20,058	119
47298	Andromeda ..	8	57 25,82	3,059	53 55 36,4	20,058	125
47299	Andromeda ..	9	57 28,29	3,050	35 32 17,2	20,058	373
47300	Cetus	6½	57 29,64	3,071	93 39 43,9	20,058	133
47301	Pisces.....	.	57 31,17	3,070	92 27 37,8	20,058	131
47302	Cetus	6½	57 32,18	3,076	113 37 9,9	20,058	570
47303	Cetus	6	57 32,20	3,076	113 37 8,5	20,058	349
47304	Cetus	6½	57 32,88	3,076	113 37 14,6	20,059	559
47305	Pisces.....	8½	57 33,08	3,069	86 0 59,3	20,059	118
47306	Pisces.....	9	57 33,57	3,069	85 58 23,2	20,059	118
47307	Andromeda ..	7½	57 34,22	3,059	52 23 24,3	20,059	476
47308	Cetus	9	57 35,66	3,071	95 57 56,5	20,059	189
47309	Andromeda ..	7	57 44,16	3,062	61 16 31,5	20,059	307
47310	Andromeda ..	9	57 45,36	3,060	53 50 29,3	20,059	125
47311	Andromeda ..	8	57 45,54	3,062	59 43 17,9	20,059	123
47312	Andromeda ..	8	57 52,04	3,062	59 44 8,9	20,059	123
47313	Andromeda ..	8	57 56,33	3,057	44 24 13,2	20,059	242
47314	Cetus	6	57 57,73	3,070	93 33 18,7	20,059	133
47315	Andromeda ..	8½	57 59,42	3,062	56 37 2,7	20,059	389
47316	Pegasus .....	.	58 2,44	3,066	72 1 5,3	20,059	34
47317	Cetus	8	58 3,58	3,073	105 56 6,5	20,059	186
47318	Cetus	6	58 3,97	3,072	99 56 4,3	20,059	192
47319	Andromeda . α	2	58 3,99	3,064	62 0 44,1	20,059	24
47320	Andromeda . α	2	23 58 4,15	+3,064	62 0 43,8	-20,059	27

No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1800.			Annual Preces.	North Polar Distance, Jan. 1, 1800.			Annual Preces.	Page in H. Cel.
			h	m	s	s	°	'	"	"	
47321	Andromeda . α	.	23	58	4.70	+3,064	62	0	50.2	-20,059	303
47322	Andromeda . α	2		58	4.74	3,064	62	0	51.2	20,059	307
47323	Andromeda . α	.		58	4.78	3,064	62	0	48.0	20,059	573
47324	Andromeda . α	2		58	4.93	3,064	62	0	49.0	20,059	123
47325	Cassiopea	8½		58	5.01	3,057	40	52	2.6	20,059	305
47326	Pisces.....	8		58	7.05	3,069	87	46	11.8	20,059	122
47327	Andromeda ..	7		58	9.24	3,062	56	10	45.3	20,059	389
47328	Pisces.....	8		58	9.62	3,069	84	29	47.0	20,059	128
47329	Cetus	7½		58	13.76	3,075	115	12	19.7	20,059	557
47330	Cetus	8½		58	16.76	3,071	97	54	18.0	20,059	187
47331	Pisces.....	9		58	16.77	3,069	84	19	47.7	20,059	128
47332	Cetus	6		58	19.86	3,073	108	41	20.6	20,059	390
47333	Cetus	7		58	28.25	3,070	93	20	10.1	20,059	133
47334	Pegasus	8½		58	29.90	3,068	76	58	18.0	20,059	203
47335	Andromeda ..	8		58	31.49	3,063	50	37	19.5	20,059	6
47336	Andromeda ..	7½		58	31.88	3,063	50	37	5.7	20,059	476
47337	Andromeda ..	8½		58	33.37	3,064	53	53	46.4	20,059	126
47338	Pisces.....	7½		58	33.39	3,069	83	5	35.0	20,059	197
47339	Pisces.....	8		58	33.47	3,069	83	5	35.9	20,059	127
47340	Cepheus.....	6		58	34.14	3,028	11	23	52.8	20,059	351
47341	Pegasus	6		58	34.22	3,066	65	39	17.1	20,059	29
47342	Pisces.....	8		58	37.47	3,070	90	25	12.8	20,059	119
47343	Cassiopea	9		58	40.73	3,061	41	15	22.0	20,059	305
47344	Cassiopea	8		58	41.06	3,061	41	15	21.3	20,059	304
47345	Cetus	8		58	41.11	3,073	113	17	25.4	20,059	570
47346	Cetus .....	.		58	41.50	3,073	113	17	33.8	20,059	557
47347	Pegasus	7		58	42.75	3,066	62	51	54.8	20,059	573
47348	Andromeda ..	8½		58	42.99	3,063	50	15	37.0	20,059	6
47349	Cassiopea ....	.		58	43.81	3,060	37	19	49.2	20,059	306
47350	Pegasus	7		58	48.32	3,068	71	11	18.6	20,059	35
47351	Pegasus	9		58	53.70	3,068	78	18	3.6	20,059	39
47352	Pegasus	7½		58	56.10	3,067	65	49	23.2	20,059	29
47353	Pisces.....	9½		58	59.59	3,070	91	2	9.6	20,059	131
47354	Pegasus	7½		59	3.80	3,068	73	34	16.7	20,059	200
47355	Andromeda ..	8		59	7.19	3,064	44	43	30.6	20,059	242
47356	Andromeda ..	.		59	7.22	3,064	44	43	28.7	20,059	11
47357	Andromeda ..	6½		59	7.54	3,064	44	43	27.1	20,059	248
47358	Sculptor.....	5½		59	8.25	3,072	119	6	11.2	20,059	561
47359	Sculptor.....	5½		59	8.31	3,072	119	5	57.6	20,059	570
47360	Pisces.....	8½	23	59	11.12	+3,070	91	2	19.7	-20,059	131

No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1800.	Annual Preces.	North Polar Distance, Jan. 1, 1800.	Annual Preces.	Page in H. Cél.
			h m s	s	° ' "	"	
47361	Cassiopea	8	23 59 12,94	+3,064	37 51 34,7	-20,059	306
47362	Pisces.....	8	59 12,94	3,070	91 52 11,8	20,059	119
47363	Pisces.....	9	59 14,26	3,070	88 48 29,6	20,059	122
47364	Pegasus	7½	59 14,74	3,068	71 33 0,0	20,059	35
47365	Cetus	9	59 16,85	3,070	101 18 6,2	20,059	244
47366*	Cetus	8½	59 17,05	3,070	101 18 4,4	20,059	190
47367	Cassiopea	9	59 21,26	3,062	28 31 37,1	20,059	372
47368	Cassiopea	•	59 21,71	3,065	37 17 52,2	20,059	306
47369	Cassiopea	8½	59 28,07	3,066	37 35 4,5	20,059	306
47370	Cassiopea	8½	59 30,99	3,066	39 41 25,5	20,059	305
47371	Cetus	8½	59 34,54	3,070	97 57 5,2	20,059	187
47372	Pisces.....	9	59 35,51	3,069	82 39 35,2	20,059	127
47373	Pisces.....	8½	59 39,59	3,070	86 16 43,6	20,059	118
47374	Cetus	7	59 40,98	3,070	93 40 24,8	20,059	133
47375	Andromeda ..	6	59 42,22	3,068	44 43 18,6	20,059	11
47376	Andromeda ..	8½	59 42,30	3,068	44 43 15,5	20,059	242
47377	Andromeda ..	7½	59 42,84	3,068	44 43 22,1	20,059	248
47378	Pisces.....	9	59 43,50	3,069	82 32 2,1	20,059	127
47379	Pegasus	6½	59 46,01	3,069	79 58 2,5	20,059	40
47380	Cetus	8	59 46,20	3,070	116 59 11,9	20,059	182
47381	Cetus	8	59 46,33	3,070	116 59 19,2	20,059	559
47382	Cetus	7½	59 47,46	3,070	116 59 26,4	20,059	561
47383	Andromeda ..	8½	59 48,21	3,069	51 27 46,3	20,059	476
47384	Pegasus	8	59 48,42	3,069	65 54 57,4	20,059	29
47385	Cetus	7½	59 48,74	3,070	100 5 11,8	20,059	192
47386	Cassiopea	10	59 54,46	3,069	38 51 28,0	20,059	369
47387	Andromeda ..	5	59 58,15	3,069	45 2 26,0	20,059	11
47388	Andromeda ..	6	59 58,22	3,069	45 2 24,9	20,059	242
47389	Andromeda ..	5	59 58,45	3,070	45 2 30,3	20,059	248
47390	Andromeda ..	5	23 59 58,70	+3,070	45 2 28,6	-20,059	304

NOTES.

- 58. The first wire has been diminished 1^m .
- 213. One of the wires appears to be in error 10^s . The middle wire has been assumed to be right, and the last wire has been increased 10^s .
- 276. The last wire has been diminished 20^s .
- 679. The \mathcal{R} is the mean of two wires, which differ from each other $3^s.12$.
- 708. The last wire has been rejected.
- 963. The hour has been altered from 9 to 0.
- 972. The first wire has been increased 1^m .
- 1109. The \mathcal{R} has been increased 10^m .
- 1115. This star is 33 Andromedæ.
- 1529. Probably an error of 2^s on one of the wires, but the mean has been taken.
- 1600. The first wire has been diminished 10^s .
- 1646. The \mathcal{R} is the mean of two wires, which differ from each other $2^s.76$.
- 1727. One of the wires probably wrong 2^s .
- 1796. The middle wire has been increased 3^s .
- 1968. The first wire has been increased 10^s .
- 2008. The \mathcal{R} has been diminished 1^h .
- 2043. The \mathcal{R} has been diminished 1^h .
- 2046. The \mathcal{R} has been diminished 1^h .
- 2472. The \mathcal{R} is the mean of two wires, which differ $2^s.07$.
- 2587. The \mathcal{R} depends on the middle wire: the first wire, differing 4^s , has been rejected.
- 3055. The middle wire has been increased 6^s .
- 3076. The last wire has been rejected.
- 3089. This star is Hevelius 6 Trianguli.

NOTES.

3150. The middle wire only has been used: the last, differing $4^{\circ}25'$, has been rejected.
3180. The first wire only has been used: the last is probably the middle wire recorded in the wrong place.
3276. The first wire is assumed to be right, and the last, which is less by $42^{\circ}81'$, has been rejected.
3310. The last wire has been diminished 10° .
3363. The last wire has been increased 20° .
3387. The R has been diminished 10^{m} .
3472. The R is the mean of two wires, which differ $7^{\circ}07'$.
3525. One of the wires is probably wrong 2° , but the mean has been taken.
3611. The third wire has been rejected, as it appears to be a typographical error.
3713. The R has been increased 20^{m} .
3758. The last wire has been increased 5° .
3781. The middle wire has been increased 2° .
3870. The $Z.D.$ has been increased 10° .
3887. The middle wire is assumed to be right, and the last, which is $5^{\circ}86'$ less, has been rejected.
3921. One of the wires is probably wrong 2° .
3932. The last wire has been increased 2° .
3994. One of the wires is probably wrong 2° .
4011. The R has been diminished 1^{h} .
4038. The last wire has been diminished 5° .
4187. One of the wires is probably wrong 2° .
4190. The first wire has been diminished 1^{m} .
4328. One of the wires is probably wrong 2° .
4385. The R has been diminished 10^{m} .
4452. One of the wires is probably wrong 2° .
4535. One of the wires is probably wrong 3° .
4681. This star is Hevelius 26 Ceti.
4818. One of the wires is probably wrong 2° .
4831. The middle wire has been diminished 4^{m} .
4834. The middle wire is assumed to be right and the last, which is $3^{\circ}84'$ greater, has been rejected.
4893. The middle wire has been rejected, as it appears to be wrong between 2 and 3° .

NOTES.

4929. The middle wire is assumed to be right, and the last has been diminished 5° .
4974. The last wire has been diminished 45° .
5243. One of the wires is probably wrong 3° .
5349. This star is Groombridge 586.
5395. The nearest minute only, in \mathcal{R} , appears to have been observed.
Probably identical with No. 5399.
5455. This star is Groombridge 591.
5629. One of the wires is probably wrong 2 or 3° .
5665. This star is Groombridge 610.
5677. The middle wire is assumed to be right, and the last, which is $12^{\circ}5$ less, has been rejected.
5681. This star is Groombridge 611.
5696. The first wire has been diminished 20° .
5787. The last wire has been increased 2^{m} .
5899. The last wire has been increased 10° .
5938. The middle wire has been increased 10° .
6034. The \mathcal{R} has been increased 1^{h} .
6047. The middle wire is assumed to be right, and the last, which is $6^{\circ}78$ less, has been rejected.
6099. The \mathcal{R} has been increased 1^{h} .
6214. The middle wire is assumed to be right, and the last, which is $2^{\circ}92$ greater, has been rejected.
6614. The middle wire is assumed to be right, and the last, which is $3^{\circ}68$ greater, has been rejected.
6636. The last wire has been increased 20° .
6859. This star is Groombridge 732.
6874. This star is Groombridge 734.
6950. The first wire has been diminished 10° .
6961. This star is Groombridge 741.
7185. The third wire has been diminished 5° .
7406. The middle wire is assumed to be right, and the last, which is $8^{\circ}17$ greater, has been rejected.
7473. The Z.D. has been diminished 10° .
7492. The \mathcal{R} has been increased 10^{m} .
7706. The last wire has been rejected.
7741. The \mathcal{R} has been diminished 1^{h} .
7810. The first wire has been diminished 10° .

NOTES.

7937. The middle wire has been rejected.
8425. The middle wire is assumed to be right, and the last, which is $21^{\text{h}}.95$ less, has been rejected.
8506. The last wire has been diminished 4^{m} .
8642. The first wire has been diminished 10^{m} .
8651. The first wire has been diminished 5^{s} .
8815. The R has been increased 1^{h} .
8967. The last wire has been diminished 2^{m} .
9139. The last wire has been diminished 3^{s} .
9775. The Z.D. has been diminished 30° .
9879. The R has been increased 1^{h} .
9899. The R has been increased 1^{h} .
9991. The R has been increased 1^{h} and the first wire 10° .
10038. The R has been increased 1^{h} .
10177. The R has been increased 1^{h} .
10256. The R has been increased 1^{h} .
10279. The middle wire is assumed to be right, and the last, which is greater by $7^{\text{h}}.08$, has been rejected.
10300. The first wire has been increased 3^{s} .
10728. The middle wire has been increased 2^{m} .
11328. The last wire has been increased 3^{m} .
11445. The first wire has been diminished 6^{m} .
11690. The seconds have been altered from 80 to 8.
11748. The middle wire is assumed to be right, and the first, which is $6^{\text{h}}.19$ less, has been rejected.
11767. The first wire has been increased 10° .
11831. The last wire has been diminished 10° .
11835. The last wire has been diminished 30° .
11998. The first wire has been increased 5^{s} .
12202. The R has been increased 6^{h} .
12322. The middle wire is assumed to be right, and the last, which is $5^{\text{h}}.8$ less, has been rejected.
12372. The last wire has been increased 4^{m} .
12486. The first wire has been increased 5^{s} .
12676. Probably the R is 1^{m} too great. The star appears to be Flamsteed's 50 Aurigæ.
13047. The minutes of the first wire have been altered from 85 to 35.
13057. The Z.D is assumed to be $5^{\circ} 6' 45''$.

NOTES.

13463. The last wire has been diminished 10^s .
13488. The middle wire is assumed to be right, and the last, which is $3^s.56$ less, has been rejected.
13712. The last wire has been diminished 10^s .
13749. The last wire has been increased 50^s .
13783. The last wire has been increased 10^s .
13785. One of the wires is wrong 5^s , but as it is uncertain which, the mean has been taken.
13962. The middle wire is assumed to be right, and the first, which is $22^s.3$ less, has been rejected.
14014. The last wire has been increased 10^s .
14028. The middle wire is assumed to be right, and the first, which is $13^s.15$ greater, has been rejected.
14170. The last wire has been increased 5^s .
14239. The last wire has been diminished 5^s .
14875. The middle wire has been increased 10^m .
15085. The first wire has been increased 20^s .
15517. The middle wire is assumed to be right, and the last, which is greater by $3^s.00$, has been rejected.
15557. The Z.D. has been increased 10^o .
16212. The observation at the first wire opposite to the following star in the *Histoire Céleste* has been assumed to belong to this star.
16318. The observation at the first wire belongs to the preceding star in the *Histoire Céleste*.
16331. The observation at the first wire opposite to the following star in the *Histoire Céleste* has been assumed to belong to this star.
16375. The observation at the first wire belongs to the preceding star in the *Histoire Céleste*.
16511. A double star, companion to No. 16513.
16512. A double star, companion to No. 16514.
16513. See note to No. 16511.
16514. See note to No. 16512.
16536. The last wire has been diminished 1^m .
16608. The first wire has been increased 10^m .
16698. The reduction has been made on the assumption that the star was observed at the first and third wires.

NOTES.

16773. The last wire has been diminished 10^s .
16890. The middle wire is assumed to be right, and the last, which is $16^s.22$ greater, has been rejected.
17205. The last wire has been increased 30^s .
17259. The observation at the first wire opposite to the following star in the *Histoire Céleste* has been assumed to belong to this star.
17276. The observation at the first wire belongs to the preceding star in the *Histoire Céleste*.
17426. The last wire has been diminished 10^s .
17494. The Z.D. is probably too great by 8^s .
17691. The middle wire is assumed to be right, and the last, which is $7^s.84$ greater, has been rejected.
17694. The last wire has been diminished 10^s .
18063. The *R* has been diminished 1^h .
18081. The last wire has been diminished 20^s .
18113. The second and third wires have each been diminished 1^m .
18299. The middle wire has been increased 10^s .
18411. The middle wire is assumed to be right, and the last, which is greater by $31^s.48$, has been rejected.
18590. The last wire has been increased 10^s .
18607. The middle wire has been increased 10^s .
18845. The last wire has been increased 10^s .
19030. The first wire has been diminished 10^m .
19123. The reduction has been made on the assumption that the star was observed at the second and third wires.
19214. The last wire has been increased 10^s .
19576. The last wire has been decreased 10^s .
19728. The first wire has been increased 5^s .
19777. This star is Groombridge 1617.
19931. The middle wire is assumed to be right, and the last, which is $7^s.98$ greater, has been rejected.
20047. The reduction has been made on the assumption that the entries for the third wire in observations 5 and 6, col. 1, p. 219 of the *Hist. Cél.*, have been transposed.
20054. See Note to 20047.
20072. The second and third wires have each been increased 1^m .
20099. The first wire has been altered from $10^h 48^m 3^s$ to $10^h 10^m 48^s.3$.

NOTES.

20237. The observation of this star is printed twice in the *Histoire Céleste*.
20401. This star is Hevelius 65 Ursæ Majoris.
20415. The Z.D. has been diminished 10° .
20461. The first wire has been diminished 10° .
20684. The middle wire is assumed to be right, and the first, which is $7^{\circ}31$ greater, has been rejected.
20899. The middle wire has been increased 1^{m} .
20938. The middle wire is assumed to be right, and the last, which is $5^{\circ}74$ greater, has been rejected.
20971. One of the wires is probably wrong 2° .
21003. The middle wire is assumed to be right, and the last, which is $4^{\circ}17$ less, has been rejected.
21022. The middle wire is assumed to be right, and the last, which is $9^{\circ}7$ greater, has been rejected.
21036. The first wire has been increased 10° .
21250. The middle wire has been altered from $54^{\text{m}} 47^{\circ}$ to $54^{\text{m}} 4^{\circ}7$.
21367. The hour has been altered from 11 to 10.
21426. The first wire has been rejected, it appearing to be wrong about 8° .
21537. The middle wire is assumed to be right, and the first, which is $3^{\circ}92$ greater, has been rejected.
21654. The last wire has been increased 10° .
21695. One of the wires is probably wrong 2° .
21723. The last wire has been increased 20° .
21738. The last wire has been diminished 10^{m} .
21758. The last wire has been diminished 10° .
21858. The middle wire has been decreased 10° .
21867. The first wire has been increased 5° .
21891. The last wire has been rejected.
21904. The last wire has been rejected.
21942. The last wire has been rejected.
22180. The last wire has been diminished 10° .
22232. The last wire is assumed to be right, and the middle, which is $20^{\circ}58$ greater, has been rejected.
22317. The \mathcal{R} has been increased 2^{m} .
22432. The middle wire is assumed to be right, and the first, which is $6^{\circ}34$ greater, has been rejected.

NOTES.

22569. The middle wire is assumed to be right, and the first, which is $5^s.83$ greater, has been rejected.
22680. The middle wire has been increased 1^m .
22702. The last wire has been increased 10^s .
22811. The middle wire is assumed to be right, and the first, which is $3^s.10$ less, has been rejected.
22821. The R has been diminished 1^h .
22824. The R has been diminished 1^h .
23051. The last wire has been increased 10^s .
23071. The middle wire has been altered from $42^s.4$ to $9^m 2^s.4$.
23369. The seconds of the middle wire have been altered from 19 to 10.
23415. The last wire has been rejected.
23431. The last wire has been increased 10^s .
23464. The middle wire has been increased 10^s .
23761. The first wire has been altered from $12^h 3^m 4^s.7$ to $12^h 34^m 7^s$.
23940. The middle wire is assumed to be right, and the first, which is $9^s.14$ greater, has been rejected.
23986. One of the wires is probably wrong 3^s .
24057. The first wire has been rejected.
24183. The middle wire is assumed to be right, and the first increased 5^s .
24354. The last wire has been rejected.
24361. The first wire has been increased 10^s .
24417. One of the wires is probably wrong 2^s .
24551. The first wire is assumed to be right, and the middle, which is $8^s.02$ greater, has been rejected.
24607. The middle wire is assumed to be right, and the last, which is $6^s.32$ less, has been rejected.
24732. This star is Hevelius 9 Can. Ven.
24792. The middle wire has been diminished 2^s .
24846. The Z.D. has been diminished 1^o .
24852. The Z.D. has been increased 10^o .
24854. The first wire has been altered from $13^h 37^m 5^s$ to $13^h 13^m 37^s.5$.
24924. The first wire has been diminished 1^m , and the middle wire altered from $17^m 4^s$ to $17^m 17^s.4$.
24956. One of the wires appears to be wrong 3 or 4^s .
25001. The last wire has been diminished 10^s .

NOTES.

25031. Probably the \mathcal{R} is 5 or 6^m too small.
25098. The last wire has been increased 10^s.
25221. The first wire has been increased 10^m.
25258. The middle wire is assumed to be right, and the last, which is 7^s.23 greater, has been rejected.
25264. The middle wire has been increased 10^m.
25423. The middle wire has been increased 10^s.
25424. The last wire has been rejected.
25474. The \mathcal{R} has been increased 10^m.
25512. The middle wire is assumed to be right, and the first, which is 6^s.46 less, has been rejected.
25564. The result is the mean of two wires, which differ from each other 5^s.63.
25669. The last wire has been rejected.
25753. The last wire has been rejected.
26014. The first wire has been decreased 1^m.
26255. The middle wire is assumed to be right, and the last, which is 4^s.41 less, has been rejected.
26266. "The star observed by Lalande on May 10, 1795, is undoubtedly the planet (*Neptune*). On consulting the original MSS. it appears that he observed the planet on May 10, 1795, and also on May 8, 1795; but in printing the *Histoire Céleste*, these two observations, supposed to be of the same fixed star, were found discordant: hence the observation of May 8 *was not printed at all*, and to that of May 10 were affixed the two points, signifying doubt, *which are not* in the MSS. The MSS. observations stand thus:
- May 8. Middle wire 14^h 11^m 36^s.5. Z.D. 60° 8' 17".
 — 10. ————— 14^h 11^m 23^s.5. — 60 7 19."
 (See Roy. Ast. Soc. Monthly Notice of May 14, 1847.)
26277. The last wire has been altered from 31^m 5^s to 31^s.5.
26306. The middle wire is assumed to be right, and the last, which is 8^s.83 less, has been rejected.
26369. The last wire has been diminished 1^m.
26447. The middle wire is assumed to be right, and the first has been diminished 10^s.
26607. The last wire has been diminished 10^s.

NOTES.

26623. The middle wire is assumed to be right, and the first, which is $4^{\circ} 10'$ greater, has been rejected.
26637. The last wire has been increased 10° .
26703. The Z.D. is given to degrees only.
26749. The first of a double star.
26750. The companion to No. 26749.
26788. The Z.D. is given to minutes only.
26811. The Z.D. has been altered from $31^{\circ} 51' 5''$ to $39^{\circ} 51' 5''$.
26836. The \mathcal{R} has been increased 10^{m} .
26872. This star is marked double in the *Hist. Cél.*, and as there is a difference of $2^{\circ} 86'$ between the results obtained from the observations at the first and second wires, it is probable that the first star was observed at one wire, and the second at the other; in which case the \mathcal{R} is that of the mean of the places of the two stars.
26891. The last wire has been diminished 1^{m} .
26914. The last wire has been increased 1^{m} .
26975. The middle wire is assumed to be right and the first has been rejected, as it belongs to the following observation.
26977. The entry for the first wire is placed a line too high in the *Hist. Cél.*
27107. The last wire has been increased 10° .
27110. The Z.D. is given to minutes only.
27120. The Z.D. is given to minutes only.
27389. One of the wires is wrong 2° .
27396. The first wire has been diminished 10° .
27434. The middle wire is assumed to be right, and the last, which is $22^{\circ} 78'$ greater, has been rejected.
27446. The entry for the last wire is placed one line too high in the *Hist. Cél.*
27592. The Z.D. is given to minutes only.
27598. The last wire has been rejected.
27683. The Z.D. has been increased 1° .
27709. The first wire has been diminished 10° .
27767. The first wire has been diminished 10° .
27961. The middle wire has been diminished 10° .
27993. The first wire has been diminished 10° .
28027. The Z.D. is given to minutes only.

NOTES.

28050. The middle wire is assumed to be right, and the last, which is $2^{\text{s}}.63$ greater, has been rejected.
28160. The last wire has been rejected.
28262. The Z.D. is given to minutes only.
28276. The Z.D. is given to minutes only.
28305. The \mathcal{R} is probably 1^{m} too great.
28386. The Z.D. is given to minutes only.
28417. The first wire has been increased 5^{m} .
28422. The Z.D. has been diminished $30'$.
28446. The middle wire is assumed to be right, and the last, which is $6^{\text{s}}.23$ greater, has been rejected.
28448. The N.P.D. appears to be $1'$ too small.
28504. The third wire only has been used in the reduction: the second wire gives a result $2^{\text{s}}.09$ greater.
28554. The Z.D. is given to minutes only.
28572. The Z.D. is given to minutes only.
28694. The Z.D. has been diminished $1'$.
28703. The first wire only has been used; the second gives a result $18^{\text{s}}.55$ greater.
28829. The middle wire has been altered from $40^{\text{m}} 53^{\text{s}}$ to $40^{\text{m}} 5^{\text{s}}.3$.
28855. The Z.D. has been diminished $5'$.
28858. The Z.D. is given to minutes only.
29000. The third wire only has been used: the second gives a result $2^{\text{s}}.09$ greater.
29030. The \mathcal{R} has been diminished 1^{m} .
29054. The \mathcal{R} is probably 1^{m} too great.
29056. The reduction has been made on the assumption that the star was observed at the third instead of the second wire.
29094. The third wire has been altered from $5^{\text{m}} 3^{\text{s}}.7$ to $50^{\text{m}} 3^{\text{s}}.7$.
29117. The time of transit is given to minutes only.
29235. It has been assumed that the observation was made at the first and third, instead of the first and second wires.
29243. The Z.D. is given to minutes only.
29467. The Z.D. has been increased 1° .
29508. The \mathcal{R} has been diminished 10^{m} .
29527. The \mathcal{R} has been increased 1^{m} .
29567. The first wire has been rejected, as it gives a result $6^{\text{s}}.06$ less than the mean of the other two.

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29728. The second and third wires have each been diminished 1^m .
29756. The first wire has been altered from $8^m 4^s.5$ to $8^m 45^s$.
29832. The Z.D. is given to minutes only.
29963. The Z.D. is given to minutes only.
30035. The third wire has been rejected, as it gives a result $2^s.32$ greater than the mean of the other two.
30159. The last wire has been diminished 1^m .
30244. The middle wire has been diminished 6^s .
30252. The middle wire has been increased 10^m .
30312. The Z.D. is given to minutes only.
30379. The middle wire is assumed to be right, and the first has been diminished 10^s .
30428. The Z.D. is given to degrees only.
30454. The time of transit is given to minutes only.
30484. The middle wire is assumed to be right, and the last, which is $12^s.73$ greater, has been rejected.
30522. The last wire has been increased 10^s .
30527. See No. 5625 in the Notes to the Catalogue of Stars of the British Association.
30535. See No. 5625 in the Notes to the Catalogue of Stars of the British Association.
30702. The middle wire has been diminished 5^m .
30828. The last wire has been diminished 5^s .
30910. The last wire has been increased 10^m .
30911. The last wire has been increased 10^m .
30979. The last wire has been diminished 10^s .
31009. The last wire has been increased 10^s .
31042. The last wire has been increased 10^s .
31062. One of the wires is wrong 10^s ; the middle has been assumed to be correct, and the third increased 10^s .
31136. The first wire has been increased 10^s .
31155. The Z.D. is given to minutes only.
31161. The first wire has been rejected, it appearing to be wrong about 11^s .
31192. The last wire has been diminished 1^m .
31208. The R has been increased 6^h , and the last wire, which is $2^s.67$ greater than the middle, has been rejected.
31220. The R has been diminished 1^h .

NOTES.

31263. The *AR* has been diminished 1^h .
31275. The middle wire is assumed to be right, and the first, which is 33^s less, has been rejected.
31333. The middle wire has been increased 30^s .
31439. The middle wire has been increased 1^m .
31452. The middle wire is assumed to be right, and the last has been increased 30^s .
31569. The Z.D. is given to minutes only.
31602. The time of transit has been diminished 10^m .
31682. The Z.D. is given to minutes only.
31884. The first wire has been increased 20^s .
31993. The middle wire has been diminished 10^m .
32069. The time of transit is given to minutes only.
32210. The last wire is assumed to be right, and the middle, which is $16^m.0$ less, has been rejected.
32217. The *AR* has been increased 20^m .
32232. The *AR* has been increased 20^m .
32241. The last wire has been diminished 9^m .
32370. The first wire has been diminished 4^m .
32510. The first wire is assumed to be right, it differs from the middle 4^m .
32533. The Z.D. is given to minutes only.
32734. The third wire has been increased 10^s .
32782. The last wire has been increased 10^s .
32790. The last wire has been rejected, it appearing to be wrong about 23^s .
32951. The middle wire has been increased 4^s .
32984. The last wire has been diminished 10^s .
33030. The last wire has been diminished 1^m .
33068. The time of transit is given to minutes only.
33109. It has been assumed that the entries for the middle wire in this and the preceding observation have been transposed.
33114. It has been assumed, in the reduction, that the entries for the second wires in this and the following observation have been transposed.
33211. The third wire has been diminished 1^m .
33290. This star is Groombridge 2506.
33306. This star is Groombridge 2507.

NOTES.

- ~~3~~ 3434. Reduced on the assumption that the times of transit of 13 and 14 Sagittarii have been transposed.
- ~~3~~ 3449. Reduced on the assumption that the times of transit of 13 and 14 Sagittarii have been transposed.
33487. The third wire has been diminished 1^m .
33671. The Z.D. is given to minutes only.
33780. The last wire has been rejected, as it appears to be wrong 2 or 3^s .
33802. The first wire has been increased 10^s .
33826. The Z.D. is given to minutes only.
34041. One of the wires appears to be wrong 20^s ; the middle is assumed to be right, and the first has been diminished 20^s .
34042. The Z.D. is given to minutes only.
34077. The last wire has been diminished 30^s .
34107. The last wire has been increased 30^s .
34121. The middle wire is assumed to be right, and the last, which is $8^s.16$ greater, has been rejected.
34147. The time of transit has been increased 1^m .
34471. The last wire has been increased 1^m .
34729. The minutes of *AR* are not given in the *Histoire Céleste*; they have been assumed to be 33.
34767. The Z.D. is given to minutes only.
35017. The middle wire is assumed to be right, and the last, which is $7^s.6$ greater, has been rejected.
35314. The first wire has been increased 10^s .
35345. The middle wire is assumed to be right, and the first, which is $4^s.77$ greater, has been rejected.
35379. The first wire has been diminished 5^s .
35542. The middle wire has been diminished 1^m .
35615. The first wire has been increased 10^s .
35640. The last wire has been diminished 1^m .
35702. The result obtained from the first wire is $3^s.76$ greater than that from the second. The mean has been taken.
35864. The middle wire is assumed to be right, and the last, which is $2^s.55$ greater, has been rejected.
36018. The last wire has been increased 20^s .
36188. The last wire has been diminished 5^s .
36190. The middle wire has been increased 10^s .

NOTES.

36261. The first wire has been rejected, it appearing to be wrong about 13^s .
36301. The Z.D. is given to minutes only.
36388. The last wire has been increased 10^s .
36519. The last wires of this and the preceding observation have been transposed.
36534. The last wires of this and the following observation have been transposed.
36649. One of the wires appears to be wrong about 3^s . The mean has been taken.
36715. The Z.D. is given to minutes only.
36832. The last wire has been rejected, it appearing to be wrong about 3^s .
36989. The Z.D. is given to minutes only.
37060. The middle wire has been increased 3^s .
37112. The last wire has been increased 5^s .
37226. The middle wire is assumed to be right, and the last, which is $10^s.8$ greater, has been rejected.
37247. The Z.D. is given to minutes only.
37366. The Z.D. is given to minutes only.
37394. The first wire has been increased 20^s .
37454. The middle wire is assumed to be right, and the last, which is $28^s.8$ greater, has been rejected.
37496. The last wire has been diminished 1^m .
37538. The first wire has been increased 1^m .
37543. The last wire has been increased 1^m .
37832. The last wire has been rejected, it appearing to be wrong 5 or 6^s .
37931. The first wire has been diminished 1^m .
38782. The last wire has been rejected, it appearing to be wrong about 3^s .
38827. The first wire has been increased 10^s .
38885. The last wire has been taken from the observation of α^2 Capricorni.
38908. The last wire appears to belong to α^1 Capricorni. (See note to No. 38885.)
38939. The first wire has been diminished 1^s .
38983. The Z.D. has been diminished 10^o .
39007. The first wire has been increased 10^s .

NOTES.

39032. The third wire has been diminished 1^m .
39074. The last wire has been increased 1^m .
39171. The first wire has been increased 1^m .
39208. The first wire has been increased 1^m .
39396. The middle wire is assumed to be right, and the first, which is $7^s.6$ greater, has been rejected.
39503. The middle wire is assumed to be right, and the last, which is $10^s.85$ less, has been rejected.
39516. The middle wire has been increased 10^s .
39554. The middle wire has been diminished 2^m .
39631. The third wire has been diminished 1^m .
39663. The Z.D. is given to minutes only.
39680. The last wire has been increased 35^s .
39689. The middle wire is assumed to be right, and the last, which is $26^s.52$ less, has been rejected.
39731. The middle wire is assumed to be right, and the last has been rejected.
39736. The middle wire has been rejected, it appearing to be wrong about 23^s .
39814. The first wire has been rejected, it appearing to be wrong about 4 or 5^s .
39892. The last wire has been diminished 9^m .
39991. The Z.D. has been increased 9^o .
40006. The Z.D. is given to minutes only.
40123. The middle wire has been increased 8^s .
40142. The middle wire has been increased 3^s .
40219. The last wire has been increased 5^s .
40251. The last wire is assumed to be right, and the middle, which is $6^s.91$ greater, has been rejected.
40308. The \mathcal{R} has been diminished 10^m .
40319. The minute of \mathcal{R} is doubtful.
40424. The first wire is assumed to be right, and the middle, which is $11^s.1$ greater, has been rejected.
40514. The Z.D. is given to minutes only.
40557. The Z.D. is given to minutes only.
40718. The Z.D. has been increased 10^o .
40768. The last wire has been increased 20^m .
40965. The Z.D. is given to minutes only.

NOTES.

41027. The last wire has been diminished 1^m .
41041. The Z.D. is given to minutes only.
41048. The time of transit over each wire has been diminished 1^m .
41055. The first wire has been diminished 1^m .
41129. The first wire has been diminished 10^s .
41218. The last wire has been increased 5^s .
41232. The middle wire has been increased 10^s .
41410. The middle wire is assumed to be right, and the last, which is $11^s.95$ less, has been rejected.
41565. The middle wire is assumed to be right, and the first, which is $8^s.22$ greater, has been rejected.
41660. The last wire has been increased 1^m .
41749. The middle wire is assumed to be right, and the last, which is $8^s.78$ greater, has been rejected.
41892. The middle wire has been diminished 2^m .
42049. The Z.D. is given to minutes only.
42156. The time of transit over each wire has been increased 1^m .
42240. The middle wire has been rejected.
42297. The time of transit has been diminished 1^m .
42304. The middle wire has been rejected.
42372. The Z.D. is given to minutes only.
42390. The last wire has been diminished 1^m .
42404. The last wire has been rejected.
42431. The last wire has been increased 10^s .
42461. The last wire has been rejected, it appearing to be wrong 8 or 9^s .
42593. The A has been increased 10^h .
42821. The first wire has been diminished 10^m .
42828. The first wire has been increased 1^m .
42896. The middle wire is assumed to be right, and the last has been rejected.
43092. The first wire has been increased 5^s .
43151. The third wire has been increased 40^m .
43223. The last wire has been altered from $22^m 0^s.8$ to $22^h 0^m 8^s$.
43229. The Z.D. is given to minutes only.
43239. The hour has been altered from 22 to 21.
43270. The middle wire has been increased 1^m .
43272. The middle wire is assumed to be right, and the first, which is $8^s.08$ less, has been rejected.

NOTES.

43281. The time of transit is given to minutes only.
43504. The Z.D. is given to minutes only.
43546. The entry for the last wire is placed a line too low in the *Histoire Céleste*.
43604. The last wire has been rejected: it belongs to the preceding observation.
43696. The middle wire is assumed to be right, and the last, which is $15^{\circ}45'$ less, has been rejected.
43772. The third wire has been increased 10° .
43876. The first wire has been increased 10° .
43907. The last wire has been diminished 5° .
43975. The first wire has been rejected, it appearing to be wrong about 6° . The N.P.D. is $10'$ less than Piazzi's and Taylor's.
43991. The third wire has been diminished 1^{m} .
44077. The middle wire is assumed to be right, and the last, which is $36^{\circ}02'$ greater, has been rejected.
44145. The minutes at the middle wire have been assumed to be 24. The star is Groombridge 3812.
44167. The last wire has been diminished 10° .
44177. The last wire has been diminished 1^{m} .
44228. The Z.D. is given to minutes only.
44322. The last wire has been increased 5° .
44485. The first wire has been increased 1^{m} .
44530. The third wire has been diminished 1^{m} .
44599. The Z.D. is given to minutes only.
44637. The last wire has been increased 5° .
44704. The middle wire is assumed to be right, and the first, which is $8^{\circ}29'$ greater, has been rejected.
44712. The middle wire has been diminished 10° .
44744. The middle wire has been increased 10° .
44855. The first wire has been rejected.
44869. The Z.D. is given to minutes only.
44880. This star is erroneously called 80 Aquarii in the *Histoire Céleste* (Piazzi xxii. 254). Piazzi calls xxii. 279, 80 Aquarii, but he is also in error (see Baily's Flamsteed, note at p. 383, and note to No. 3150 at p. 639).
44911. The time of transit has been increased 1^{m} : the direction given in the list of errata at the end of *Histoire Céleste* does not

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mention whether the correction is to be applied to the time of transit or the Z.D.

- 44992. The Z.D. is given to minutes only.
- 45001. The middle wire has been rejected.
- 45022. The last wire has been diminished 7^m.
- 45119. The middle wire is assumed to be right, and the last, which is 5^s.94 greater, has been rejected.
- 45200. The Z.D. is given to minutes only.
- 45202. The time of transit is given to minutes only.
- 45216. The middle wire has been diminished 5^s.
- 45242. The first wire has been diminished 10^s.
- 45251. The Z.D. is given to minutes only.
- 45318. The last wire has been diminished 10^s.
- 45355. The Z.D. is given to minutes only.
- 45384. The last wire has been rejected, it appearing to be wrong about 8^s.
- 45423. The middle wire is assumed to be right, and the first, which is 6^s.3 greater, has been rejected.
- 45605. The *R* has been increased 1^h.
- 45726. The last wire has been rejected.
- 45790. The Z.D. is given to minutes only.
- 45824. The Z.D. has been diminished 10^s.
- 45844. The third wire has been rejected; it appears to belong to the next observation.
- 45848. The entry for the last wire appears to be placed a line too high in the *Histoire Céleste*.
- 46050. The first wire has been increased 10^s.
- 46059. The minutes of the middle wire have been altered to 21.
- 46161. The first wire has been diminished 1^m.
- 46369. The entry for the first wire is printed one line too high in the *Histoire Céleste*.
- 46378. The first wire has been rejected; it belongs to the next observation.
- 46397. The time of transit and Z.D. are both given to minutes only.
- 46472. The time of transit is given to minutes only.
- 46651. The *R* has been increased 40^m.
- 46653. The entry for the last wire is printed one line too low in the *Histoire Céleste*.

NOTES.

46659. The last wire has been rejected; it belongs to the preceding observation.
46913. The wires are discordant; as the middle is marked doubtful it has been diminished 10° .
46973. The first wire has been diminished 10° .
47087. The first wire has been diminished 1^{m} .
47254. The first wire is assumed to be right, and the middle, which is $7^{\circ}86$ more, has been rejected.
47340. The last wire has been rejected.
47366. The Z.D. has been increased 10° .



ERRATA.

The following Numbers in the Catalogue should have asterisks (*) annexed to them.

58	26607	33290	37394	40718	43991
1115	26788	33306	37454	40768	44077
1646	27592	33487	37543	40965	44145
3076	28276	33671	37832	41027	44167
3089	30159	33780	37931	41041	44248
3611	30252	33802	38782	41111	44322
3932	30312	33826	38827	41218	44485
4011	30454	34041	38885	41410	44530
4681	30527	34077	38908	41565	44599
5349	30535	34107	38939	41660	44637
5455	30702	34121	38943	41692	44655
5665	30910	34729	39007	41749	44744
5681	31062	34767	39032	42049	44869
5696	31115	35017	39074	42240	44880
6047	31161	35314	39208	42304	44992
6859	31192	35345	39396	42372	45022
6874	31437	35379	39503	42404	45119
6961	31569	35542	39516	42431	45200
7473	31602	35702	39554	42461	45202
7937	31682	35864	39631	42593	45216
8815	31884	36018	39663	42821	45242
11328	32069	36188	39680	42828	45251
13047	32210	36190	39689	42896	45318
16212	32217	36261	39731	43092	45355
16318	32232	36301	39786	43151	45384
16331	32241	36388	39814	43223	45605
16375	32370	36519	39982	43229	45726
17259	32510	36534	40006	43239	45790
17276	32533	36649	40123	43270	45824
19576	32734	36715	40142	43272	46050
19777	32782	36832	40219	43281	46059
20237	32790	36989	40308	43504	46397
20401	32951	37060	40319	43604	46472
21367	32984	37112	40421	43696	46651
21426	33030	37226	40424	43876	46973
24732	33068	37247	40514	43907	47087
25753	33211	37366	40557	43975	47340
26266					

No. 26608* dele the asterisk.

31092, Ann. Prec. in R.A.,	for 3,486 read 3,510.
31200, —————	for 3,606 read 3,554.
31813, —————	for 0,579 read 0,717.
38121, —————	for 2,581 read 2,556.
38673, —————	for 2,293 read 2,322.
40455, —————	for 3,208 read 3,205.
41343, —————	for 3,265 read 3,282.
45789, —————	for 3,119 read 3,120.
46093, —————	for 3,054 read 3,058.

Histoire Céleste.

In addition to the list of Errata at pp. 588, 589 and 590, of the *Histoire Céleste*, see *Astronomische Nachrichten*.

No. 282, column 301 and 302.

466, ———	166.
483, ———	38.

ERRATA.

Schumacher's Tafeln zur Reduction.

Page 9. In the Table for Z.D. 27° and column p' *delete* the o's and place the decimal point one figure farther to the *right*.

10. In the Table for Z.D. 35° , for $p = 51' 35'' \cdot 2$ read $50' 35'' \cdot 2$.

— April 21, near the bottom of the Table and under k , the minutes should be 57 instead of 27.

16. April 22, for $p = 50' 56'' \cdot 9$ read $47' 56'' \cdot 9$.

35. May 16, add 0.88 to all values of k .

50. April 6, at $10^h 40'$ and k , for 71 read 17.

61. March 19, at 9 20 and p , for 56.0 read 56.9.

63. June 18, Z.D. 13° , at 17 20 and p , for 51.8 read 53.8.

— — — at 17 30 and p , for 52.8 read 56.8.

83. September 29, at 21 0 for $k = -5'' \cdot 55$ read $+5'' \cdot 55$.

85. November 14, at 3 20 increase p by $10''$ and to the end of the zone.

88. March 15, change sign of k from — to +.

104. At Z.D. $31' 20''$, and under 2—3, for 27.85 read 26.85.



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